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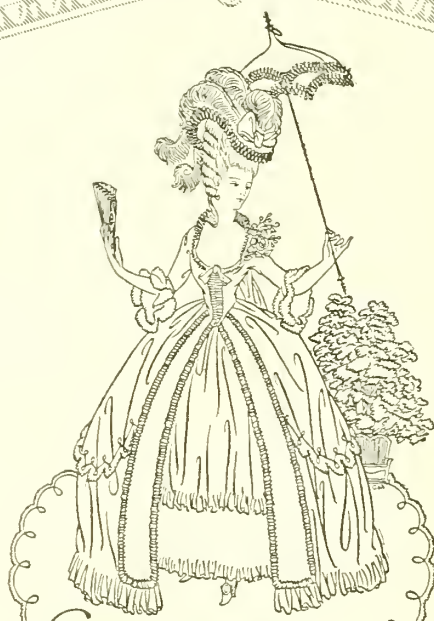
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1915 BUDGET 1915

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All previous Terms, including Agreements, respecting prices of Elliman's Universal Embrocation for Human use are cancelled from October 15, 1915.

Marked Price	Minimum Price	Trade Price per Dozen	Trade Price per Gross, less 10%	Sold at Minimum Price per Gross	PROFIT on outlay
8½d. now 1/-	11½d.	10 6	£5 : 13 : 5 Net	£6 : 18 : 0	£1 : 4 : 7
1/1½ „ 1 3	1 2	12 9	6 : 17 : 8 „	8 : 8 : 0	1 : 10 : 4
2 9 „ 3/-	2 9	29 -	15 : 13 : 2 „	19 : 16 : 0	4 : 2 : 10

CARRIAGE NOT PAID.

There is no advance in the prices of Elliman's Royal Embrocation for use on Animals.

They remain as follows :

Marked Price	Minimum Price	Trade Price per Dozen	Trade Price per Gross, less 10%	Sold at Minimum Price per Gross	PROFIT on outlay
1 -	11d.	10/-	£5 : 8 : 0 Net	£6 : 12 : 0	£1 : 4 : 0
2/-	1 9	19 -	10 : 5 : 2 „	12 : 12 : 0	2 : 6 : 10
3 6	3/-	32 9	17 : 13 : 8 „	21 : 12 : 0	3 : 18 : 4

CARRIAGE NOT PAID.

TERMS OF PURCHASE.

Orders (assorted or not) of less value than £2:10:0 are net.

Orders of the value of £2:10:0, and up to the value of £4:19:11, are subject to 5% discount for Cash within 28 days from date of invoice.

Orders of the value of £5:0:0 and upwards are subject to 10% discount for Cash within 28 days from date of invoice.

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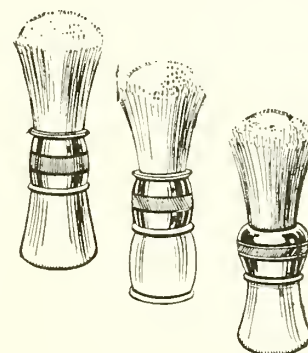
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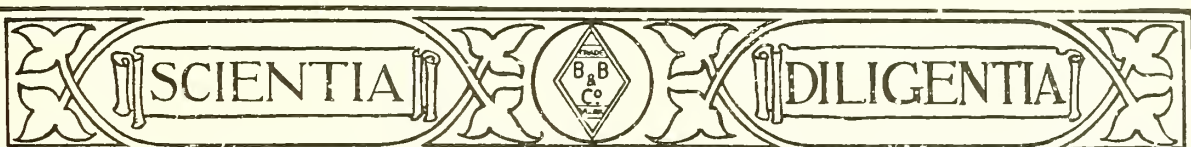
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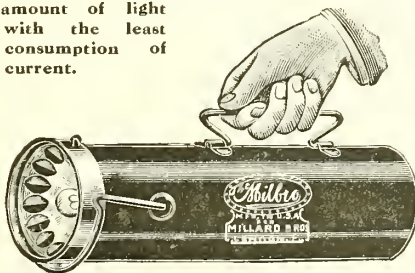
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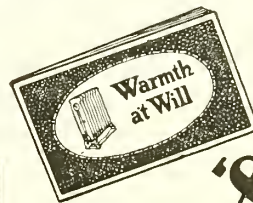
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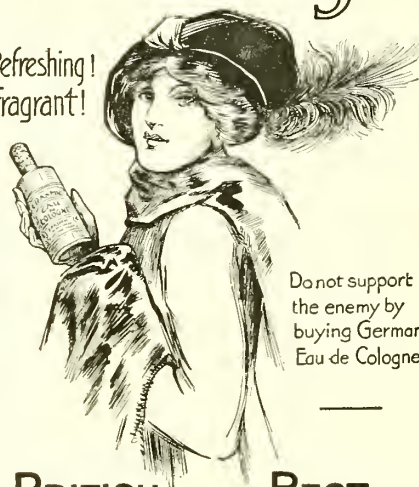
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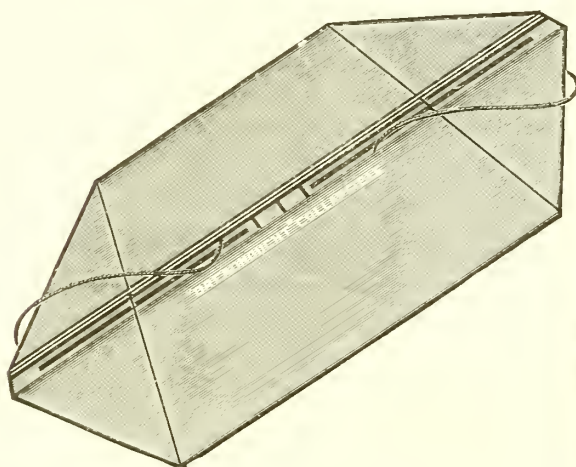
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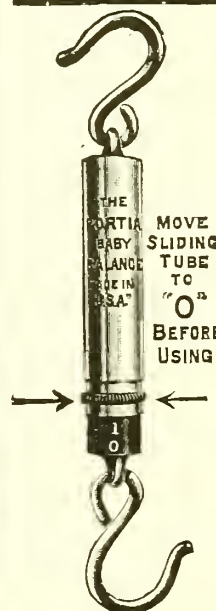
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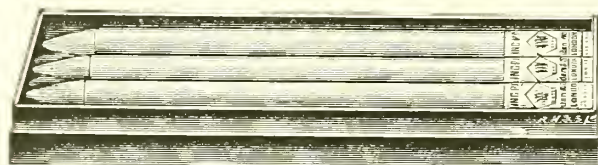
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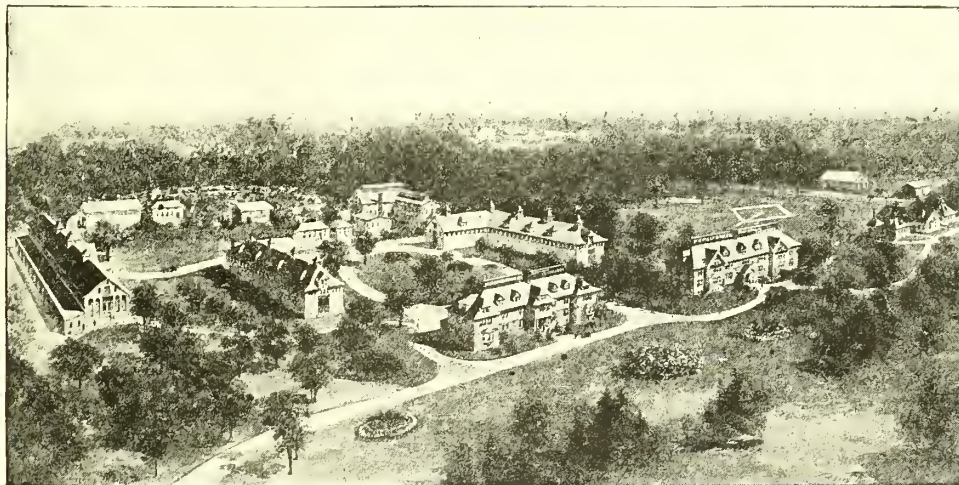
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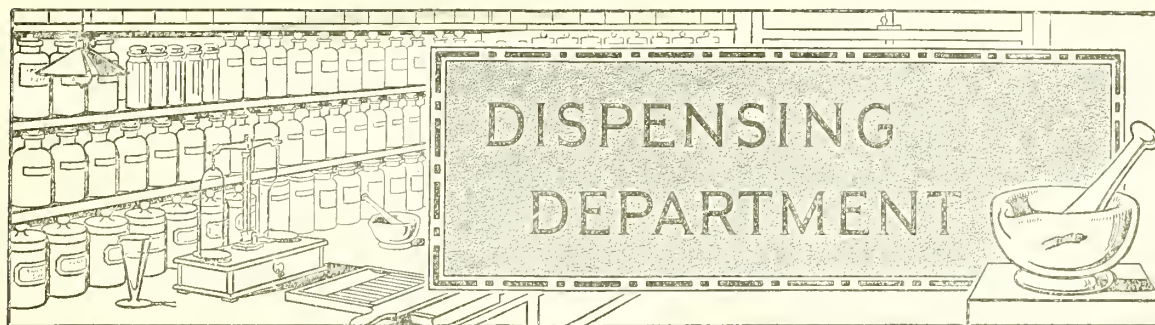
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In the Coloured Supplement.

American Notes	French News
Associations' Winter Session	German News
Coming Events	Netherlands Notes

Summary.

New 1½d. and 3d. medicine-stamps, postal size, were issued on Wednesday (p. 50).

The Pharmaceutical examinations in London are at last inspected on behalf of the Privy Council by one who has gone through them—Dr. A. P. Luff (p. 51).

It is proposed that the Government shall subsidise hospitals to the extent of the duty on spirits that they use. This is the alternative to Mr. Bridgeman's duty-free spirit idea (p. 50).

Readers are requested to note that, besides the matter on the succeeding pages, several sections of news are printed in the Coloured Supplement, including reports of Association meetings.

The seven retiring members of the Irish Pharmaceutical Council have been re-elected. This was declared at the annual meeting, when the President gave an interesting address, and it was resolved that the Council should consider the examination of assistants (p. 42).

Sir Rickman J. Godlee, Bart., President of the Royal College of Surgeons, delivered an interesting and informative address at the reopening of the School of Pharmacy on Wednesday, and at the same time the Hanbury gold medal was presented to Mr. E. M. Holmes (pp. 52-57).

Glycerin is far and away the most important subject of the week—the British Government has placed it on a similar footing to sugar, and manufacturers who supply wholesalers must first satisfy the wants of the Ministry of Munitions. Consumers need not be alarmed, but they should read every word of the article beginning on p. 48.

European War.

A Year Ago To-day.

(War News in "C. & D." October 10, 1914.)

The Prince of Wales's National Relief Fund reached 3,000,000, and his Royal Highness issued a letter of appreciation, thanks, and suggestion. Our Pharmaceutical Roll of Honour filled nearly four columns. Letters about the war from correspondents in Antwerp, Brussels, and Petrograd were printed, and Mr. Ernest Cresswell communicated interesting observations on "Paris in War Time." We reported hearings for the suspension of six trade-marks.

Pharmaceutical Roll of Honour.

Non sibi sed patriæ.—CICERO.

FIFTY-FIFTH LIST.

ATKINSON, Corporal ROBERT B. (lately assistant to Winstanley & Fairhurst, chemists, Market Street, Wigan), R.A.M.C. (Hospital Ship *Vuldiva*).

MACINTOSH, Private ANGUS (former apprentice of the late Mr. A. Fairbairn, chemist, Aberlour), Royal Engineers. Private Mackintosh is reported suffering from gas-poisoning in France.

MIDDLEMISS, Private A. (lately apprentice with Mr. N. M. Craig, chemist, Berwick-on-Tweed), 1st Battalion Royal Highlanders (Black Watch). Private Middlemiss is reported wounded in the recent fighting in France.

NAUGHTON, Private G. D. (lately with William Davidson, Ltd., wholesale druggist, Aberdeen), 1/4th Battalion Gordon Highlanders. Private Naughton has been wounded in action in France.

ROBINSON, Private WILLIAM (lately with Mr. D. Innes, chemist, Stalybridge), 6th Battalion Loyal North Lancashire. Private Robinson is reported missing during the recent fighting in Gallipoli.

SHORROCK, ARTHUR GARDNER (formerly apprentice with Vince & Co., chemists, Cheapside, Lancaster), R.A.M.C.

The roll of honour in the offices of R. Sumner & Co., wholesale druggists, Liverpool, is headed by Captain Percy Overton (4th West Lancashire Howitzer Brigade), son of the managing director. Captain Overton has been joined by his younger brother (Mr. R. E. Overton), a medical student in London, transferred from the R.A.M.C. at the Dardanelles. The other names on the roll are: Geo. Willis, 4th King's Liverpool Regiment; Alex. Mackay, 5th Dragoons; Thos. Hill, 4th City Battalion K.L.R.; John Fitzsimmons, G. A. Peters, Ernest Lloyd, and John O'Hara, 4th W.L.H.B.; Harold Darcy and Robert Smith, 6th K.L.R.; S. Dantrie, R.A.M.C.; William Moore, R.N.R.; Chris. Madden, 9th K.L.R.; Robt. S. Moss, R.G.A.; Wm. Powell, 5th K.L.R.; James Cotterel, R.N.R.; C. Ellis, 4th City Battalion K.L.R.; W. Taylor, 1st W.L.R.F.A.; J. Ward, R.N.; Assistant Paymaster O. Parkinson, R.N.R.; Robt. Bryan and John Ward, R.N.R.

Prohibited Exports.

The "London Gazette," issued on October 4, contained an Order in Council setting forth:

That the heading "Antipyrine (phenazone)" in the list of goods the exportation of which is prohibited to all destinations should be deleted, and there be substituted therefor the heading, "Antipyrine (phenazone) and its derivatives."

That the heading, "Milk, condensed, sweetened or not," in the list of goods the exportation of which is prohibited to all destinations abroad other than British Possessions and Protectorates, should be deleted, and there be substituted therefor the heading, "Milk, condensed or preserved, whether sweetened or not."

That the exportation of "magnesite and magnesite-bricks" should be prohibited to all destinations.

That the exportation of the following goods should be prohibited to all destinations abroad other than British Possessions and Protectorates: Chromium, compounds of, except chromium acetate, chromium chloride, and chromium nitrate (the exportation of which is already prohibited to all destinations), and bichromate of soda (the exportation of which is and remains only prohibited to all foreign countries in Europe and on the Mediterranean and Black Seas, other than France, Russia (except through the Baltic ports), Italy, Spain, and Portugal); oil fuel, but not including any such fuel allowed by the Commissioners of Customs and Excise to be shipped for use on board the exporting ship.

That the exportation of the following goods should be prohibited to all foreign countries in Europe and on the Mediterranean and Black Seas, other than France, Russia (except through Baltic ports), Italy, Spain, and Portugal:

Chemicals, drugs, etc.: Formic acid, sodium carbonate (including soda-ash, soda-crystals, and bicarbonate of soda), and pepper.

Commissions in the R.A.M.C.

We have received a letter from a sergeant-dispenser (247/16) in the Royal Army Medical Corps, stating that he has been informed that in two or three instances commissions have been granted to pharmacists serving in the R.A.M.C., who now rank as lieutenant-pharmacists. On inquiry at the War Office, we find that this is not the case. There has been no alteration in the regulations for admission to commissioned rank in the R.A.M.C. which specify that those to whom such commissions are granted must possess a recognised medical qualification. In certain cases, however, commissions on the Unattached List have been granted to men holding special qualifications in chemistry and in sanitary work, including sanitary engineering. The duties of officers of the former class are in connection with the analysis and purification of water, and several of them are now engaged in this work in France. Officers of the latter class are engaged in purely sanitary work at the great camps in this country and in France. We regret to observe (see p. 52) that the War Office practically "turns down" the suggestions made by the Pharmaceutical Society.

Personalia.

MR. MICHAEL KELLY, M.P.S.I., Enniscorthy, a son of Dr. Thomas J. Kelly, has received a commission as second-lieutenant in the Sherwood Foresters.

LIEUTENANT H. G. CROWDEN, of the 13th Royal Scots, has been wounded. He is the youngest son of Mr. S. G. Crowden, of The British Drug Houses, Ltd.

MR. HENRY BOYCE, 4 Church Row, Aldgate, London, E., has received many letters of sympathy in regard to his son's death, and thanks those who sent them.

PRIVATE ERIC MATTHEWS, H.A.C. Infantry (younger son of Mr. J. H. Matthews, chemist and druggist, Leytonstone), who left for France on August 15 last, has been wounded.

CAPTAIN B. D. C. TREATT, Royal Garrison Artillery (son of Mr. R. C. Treatt, Dunster House, Mincing Lane, London, E.C.), appears in the list of wounded with the Expeditionary Force, under date of August 26.

ARTHUR H. COX & Co., LTD., Brighton, inform us that a letter written from a Turkish hospital states that Private George Keeping, R.A.M.C., is wounded and a prisoner of war, and not dead as was officially reported (see *C. & D.*, September 11, p. 46).

SECOND-LIEUTENANT J. A. STEPHENS, 9th Battalion East Yorkshire Regiment, who is now in hospital at Alexandria suffering from enteric fever contracted at the Dardanelles, is the youngest son of Councillor S. Stephens, chemist and druggist, Milnbridge.

It is officially reported that Second-Lieutenant M. Ross was killed and Second-Lieutenant K. Ross was wounded and missing in the British advance of the 25th ult. They were serving in the 2nd Battalion Royal Irish Rifles, and are sons of Mr. Geo. Ross, of W. A. Ross & Co., aerated-water manufacturers, Belfast.

MR. E. G. CRIPPS, eldest son of Mr. E. C. Cripps, chemist and druggist, Berkhamsted, has received a commission in the 5th Battalion King's Shropshire Light Infantry. Lieutenant Cripps joined the 4th Battalion Cameron Highlanders in September 1914, and took part in the battles of Neuve Chapelle and Festubert. He has joined his new regiment in France after a few days' leave.

E. COOK & SON, LTD., Bow, London, E., inform us that Lieutenant R. H. Fletcher, of their disinfectant department, who was reported convalescent after being wounded at the Dardanelles, in our last issue, enlisted in the Westminster Dragoons on the outbreak of war, but transferred to the Royal Fusiliers, with whom he went to Gallipoli. He remains on the company's books as manager of the disinfectant department, and his position is being kept open for him. The directors hope that he will return safely to take up his duties on the successful termination of the war.

Miscellaneous.

CEYLON EXPORT-TAXES.—New export-taxes, to take effect from October 1, have been imposed. They are: On tea, 150c. (2s.); on rubber, 750c. (10s.); on cocoa, 150c. (2s.); on cardamoms, 750c. (10s.) per 100 lb.; on coconuts, 200c. (2s. 8d.) per 1,000 lb.; on desiccated coconut, 70c. (11d.); on copra, 40c. (6½d.); on coconut oil, 75c. (1s.) per 112 lb.

GOODS FOR SWITZERLAND.—The Board of Trade intimate that an arrangement has been concluded with the French Government whereby goods the exportation of which from the United Kingdom to Switzerland has been authorised by the competent authority in this country will be allowed to pass freely in transit through France to their destination, provided that the French authorities have no special ground for suspecting an enemy destination. Forms of application are furnished by the Board of Trade.

NATAL SAILOR AND SOLDIER PHARMACISTS were entertained to dinner at the Royal Hotel, Durban, on September 4, by the Natal Pharmaceutical Society, Mr. Morris W. Stranack (the President) in the chair. The menu was a skit on the names of Natal chemists and their assistants, and we hope to have more to say about it later. In the meantime, Harry Lauder's estimate must suffice—"it was a grand affair."

"TOO MANY SALTS" is the title given to some verses by Private R. L. Kemplay, who has been serving with the Fusiliers in British East Africa. The verses were printed in the "Leeds Mercury," and the first is one of the best: If you enter this place young—with perhaps a coated tongue Through drinking in the town too many "malts"; There is one thing, I declare, that is bound to make you swear!—

The never-ending cry of "Have some salts."

REST HUTS FOR SAILORS AND SOLDIERS.—It is not generally known that the Jelloids Co., City Road, London, E.C., has been doing exceedingly good work during the war by providing rest huts at home and abroad (e.g., Havre) for sailors and soldiers which are under the control of the Young Men's Christian Association. One of these huts in Waterloo Road, London, S.E., was opened by the Duchess of Teck on Saturday afternoon, October 2, Major-General Sir Francis Lloyd, C.B., presiding, and Lord Kinnaird, President of the Y.M.C.A., supporting him. The hut contains fifty cubicles, each with accommodation for two occupants, and there is room for "shake-downs" besides. Baths with hot and cold water, good lavatories, a full-sized billiard-table, games of all sorts, and light refreshments of every description are also provided. The huts are much taken advantage of, and it is interesting to note that Colonial men are particularly fond of them. The cooking and service of refreshments between 7 A.M. and 10 P.M. is done by a voluntary staff of ladies, and after 10 P.M. the ladies' male friends lend a helping hand.

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Altered Prices.

The following is the list of alterations of minimum prices issued by the West Bromwich Pharmaceutical Association on October 4:

Chemicals.—Potass. bicarb.: 2d. oz.; 6d. ¼ lb.; 1s. 9d. lb. Iron-and-quinine citrate: 5j., 3d. Amyl acetate: 5½d. oz. *Tablets*.—Phenacetin and phenacetin co.: 25, 1s. 8d.; 100, 5s. 10d. Aspirin and acetosal: 25, 1s. 4d.; 100, 5s. *Proprietary Articles*.—Andrew's Liver Salt, 5d. Pears' unscented soap, 4d. P. D. & Co.'s Cod-liver Oil Emulsion: 8-oz., 2s.; 16-oz., 3s. 6d.; trial size, 1s. 4d. Valentine's meat-juice, 3s. Pinaud's Hongroise, 5d. and 9d. *Tablets*.—Saxin: 100, 1s.; 200, 1s. 10d.; 500, 4s. 4d. Saccharin, ½-gr.: 100, 1s. 4d.; 200, 2s. 6d.; 500, 6s. Phenacetin and phenacetin co.: 25, 2s. 6d.; 100, 8s. 9d. Tea: 10d. and 1s. 8d. Salol: 25, 1s. 2d.; 100, 4s. Sulphonal, 5-gr.: 25, 1s. 6d.; 100, 5s. 3d.

Birmingham.

There does not appear to be much complaining about the increase in the medicine stamp-duty.

An interesting article on some Midland species of *Solanacea* appeared in the "Mail" on Saturday, October 2.

Birmingham has been honoured, and King Edward's School in particular, by the appointment as Master of the Temple of the Rev. Ernest William Barnes, M.A., D.Sc., F.R.S.

The thinning-out of the eligible recruits from behind the pharmacist's counter is growing apace, the difficult part of it being the suddenness with which the employer is bereft of the employed.

Bowling.

North London pharmacists concluded the season's play by a match with South-Eastern district pharmacists at the ground at Wood Green on Thursday, September 30, with the result that the North men won by 27 points. Messrs. McRostie, Payne, J. R. Dow, and Bowie (skip), the first rink for the North, made 19 points against 7 by Messrs. J. Foulsham, Foster, Wing, and Winzer (skip) for the South-Easterns. The second North rink (Messrs. Honiatt, Hearle, Grassick, and W. B. Dow

(skip) beat the South-Eastern (Messrs. Milner, Foulsham, Siddle, and Ralph (skip) by 29 to 14. It was a most enjoyable afternoon, besides being a good stimulant to fraternal pharmaceutical feeling.

We are informed that this and other matches that we have reported during the month were under the auspices of "The Script" Sports Club. Mr. J. Hearle, 33 Liverpool Road, London, N., the organising officer of the club, informs us that its rifle-shooting competitions will be continued during the winter, and each month's winner will be awarded a silver spoon. Cards for the September shooting competition should be received by Mr. Hearle on or before October 20.

Liverpool.

The trade has the sensation of being in a cleft stick owing to the uncertainty of the patent-medicine duties projected for October 20. The suspense while awaiting final decision and the stamps is highly embarrassing.

The report of Dr. E. W. Hope, medical officer of health for the city, has just been issued. It is a bulky volume of over 300 pages and is illustrated with many diagrams and photographs. It deals chiefly with epidemic diseases and public-health subjects, but under the Poisons and Pharmacy Act, 1908, it is reported that twenty-four licences for the sale of certain poisonous substances were renewed during the year.

The Liverpool city analyst (Mr. W. H. Roberts, M.Sc., F.I.C.), in his report for 1914, gives a list of ninety-six samples, representing twenty-five different drugs, analysed during the year. All were genuine, with the exception of two samples of glycerin and one medicine dispensed to prescription. Each sample of glycerin contained $\frac{3}{16}$ gr. of arsenic per lb., and the medicine was 25 per cent. deficient in liq. morphine hydrochlor. prescribed.

Manchester.

The Manchester Guardian Society for the Protection of Trade (Mr. George S. Woolley, Ph.C., President), which has a membership of nearly 6,000 manufacturers, merchants, wholesale and retail dealers, has passed a resolution urging upon the Government the extreme inadvisability of proceeding with the proposal to raise the present halfpenny postal rate.

Sheffield.

The Sheffield Pharmaceutical and Chemical Society is to hold a social evening at Davy's Victoria Café on October 14, at 7.30 P.M.

The Inland Revenue authorities in Leopold Street have been unable to supply a sufficient number of $1\frac{1}{2}$ d. patent-medicine stamps to supply the demand.

Mr. J. T. Appleton, chemist and druggist, the Walkley Pharmacy, had a narrow escape from a serious accident recently. While motoring through Derby his car skidded and came into contact with a tram-car. Being an expert driver, Mr. Appleton was able to limit the damage to his car to a broken head-lamp.

As a result of the examinations in Pharmacology and Pharmacy conducted by Mr. E. Preston, Ph.C., at the Sheffield Central Secondary Classes, the following students have been granted certificates: In Pharmacology: Messrs. C. P. Gilbert, J. S. Hitchcock, and F. Waterfall; in Pharmacy: Messrs. C. P. Gilbert and F. Waterfall.

At the monthly meeting of the members of the Sheffield and District Branch of the National Association of Medical Herbalists (Mr. J. Lee, President, in the chair), Mr. J. S. Ward, Sheffield, read an excellent paper on "Pneumonia and its Treatment." Messrs. Thomas Tildesley (Parkgate) and A. Russell Fox (Sheffield) took part in the discussion which followed.

Sheffield was behind other large cities in regard to the employment of women pharmacists, but within the last few months many pharmacists have been employing lady pharmacists, or ladies holding the assistants' certificate of the Apothecaries' Hall. The labour question is affecting the city very badly, and, owing to the demand for men in the munition works, porters are almost unobtainable. Some of the smaller branch pharmacies are closing for an hour at midday on account of the shortage of labour.

Contracts for Drugs, etc.

The following particulars regarding contracts for drugs, etc., have been received during the week:

Bishop's Castle Guardians.—Mr. J. E. Gwilliam, chemist, medical and surgical appliances.

Blean Rural Cottage Hospital.—Mr. A. Lander, Ph.C., Canterbury, disinfectants.

Brentford Guardians.—Middleton Bros., Ltd., disinfectants (107l. 5s. 2d.); Oxo, Ltd., meat-extract (210l.); Pocock Bros., waterproof sheeting.

Brighton Guardians.—Baiss Bros. & Stevenson, Ltd., London, drugs (20 per cent. off current price-list, carriage paid).

Burnley Guardians.—Messrs. Hartleys, surgical dressings. Burton-on-Trent Guardians.—Liverpool Lint Co., lint and wool.

Bury St. Edmunds Guardians.—Nunn, Hinnell & Clark, chemists, drugs.

Clitheroe Guardians.—Mr. J. Harrison, chemist, drugs and dressings.

Colchester Guardians.—Mr. S. Head, appointed chemist.

Croydon Borough Hospital.—Hospital and General Contractors Co., Ltd., surgical dressings.

Croydon Guardians.—Bovril, Ltd., and Oxo, Ltd., meat-extracts.

Darlington Guardians.—Mr. J. E. Hodgson, Ph.C., drugs.

Dover Corporation has accepted the offer of Mr. A. L. Thompson, chemist, to continue his contract, subject to the price of carbolic acid being 1s. 9d. per lb. and methylated spirit 4s. 6d. per gal.

Gloucester City.—Mr. H. R. Broad, Gloucester, drugs and disinfectants for City Isolation Hospitals.

Grantham Guardians.—B. & J. Fillingham, chemists' goods.

Halifax Guardians.—Corbyn, Stacey & Co., Ltd., drugs.

Lambeth Guardians have agreed to continue the existing arrangements for the supply of drugs and sundries with The British Drug Houses, Ltd., and S. Maw, Son & Sons for a further three months, subject to market fluctuations.

Liverpool City Council.—R. Sumner & Co., Ltd., drugs; Evans Sons Lescher & Webb, Ltd., druggists' sundries for the city hospitals (three months).

Manchester Sanitary Committee.—North British Rubber Co., Ltd., rubber sheeting; James Woolley & Co., Ltd., Mottershead & Co., W. W. Hill, Wallace & Co., and the Liverpool Lint Co., drugs and dressings.

Newcastle-under-Lyme Guardians.—Mr. C. J. Wain, Ph.C., drugs, etc. ($16\frac{1}{2}$ and 20 per cent. discount).

Northampton Education Committee has been recommended to agree to the request of Mr. C. F. Allen, contractor for the supply of spectacles, for increased prices.

Paddington Guardians.—Ingram & Co., three I.R. air-cushions (8s. 3d. each) and twelve I.R. water-pillows (17s. 6d. each).

South Stoneham Guardians.—Bates & Co., chemists, Southampton, medical requisites.

Thorne (Yorks) Guardians.—Mr. R. Read, chemist, drugs.

Wandsworth Guardians have been informed by the contractors for drugs and sundries—viz., T. Hodgkinson, Prestons & King, and S. Maw, Son & Sons—that they are prepared to continue their contracts under the present arrangements to March 31, 1916.

Winchester Guardians.—Mr. S. G. Bartlett, chemist, druggists' sundries.

Miscellaneous.

GILLINGHAM AND ROCHESTER CHEMISTS are closing their pharmacies at 8.30 nightly, except on Saturdays—10 P.M. This is owing to the low-lights order.

LONDON CHEMISTS' GOLFING SOCIETY.—At the open meeting, held at Muswell Hill on September 30, the Carmichael Trophy was won by Mr. Alwyn Harries with a 36-hole score of 184 less 36=148.

MASONIC.—At a meeting of Prov. Grand Chapter held at Birkenhead on Saturday, October 2, Mr. B. Arnfield (T. Kerfoot & Co.'s representative) received the honours of Prov. Grand Soj., Cheshire Province.

PATENT-MEDICINE LEGISLATION.—Dr. Cox, Medical Secretary of the British Medical Association, has written a letter to Sir Henry Norman, M.P., Chairman of the late Select Committee on Patent Medicines, telling him about the Association's determination to take the first opportunity for legislation on the lines of the Report.

BOYD WILSON & Co., drug-merchants, 6 Harp Lane, E.C. This limited partnership was registered at Somerset House, W.C., on September 30. General partner, Ian B. Wilson, 25 Ollerton Road, New Southgate, N.; limited partner, E. G. Densley, 90 Albert Road, Alexandra Park, N., contributing 200l. in cash.

SHOPS ACT.—The Home Secretary has confirmed an order for chemists and druggists in Cardiganshire (except at Aberystwyth, Cardigan, Lampeter, Aberayron, New Quay,

Borth, and Tregaron) to close each evening at nine o'clock, except Saturday evenings, when the closing hour is ten.—The Accrington Town Council, on October 2, issued a draft order for chemists and druggists to close at 8 P.M. on Mondays and Thursdays, 9 P.M. on Tuesdays and Fridays, 1 P.M. or 10 P.M. on Wednesdays, and 10 P.M. or 1 P.M. on Saturdays. The order is not to apply to the weeks before Easter and Whit Monday, the six working days preceding the local summer holidays, and Christmas Day, and the working day before New Year's Day.

WEST BROMWICH.—The Sanitary Committee reported to the Town Council last week that the Medical Officer of Health had been in communication with the Local Government Board and the Ministry of Munitions with regard to fumes from a local chemical-works, and a reply had been received that all possible precautions are being, and will be, taken to prevent the fumes being troublesome to the civil population, though it is impossible for the same conditions to prevail during war-time as when the manufacture of chemicals is conducted under peace conditions.

POISONING CASES.—Four of the eight poisoning cases reported during the week were due to the taking of poisons with suicidal intent. The substances implicated were ammonia, cyanide of potassium, spirit of salt, and strychnine. Overdoses of veronal and opium, taken by misadventure, caused the deaths of two persons, and two workmen died from the effects of inhaling carbonic-acid gas, to which they were exposed in the course of their employment. The cyanide was taken by a chemistry student in London, who appeared to have had his mind unhinged by work for the B.Sc. examination.

CHELtenham MINERAL SPRINGS.—At a meeting of the Cheltenham Corporation on October 4, the common seal of the spa was affixed to an agreement with the United Chemists' Association, Ltd., granting to the company the sole and exclusive rights to use, evaporate, concentrate, manufacture, etc., the mineral waters from wells or springs belonging to the Corporation. The borough surveyor reported that the number of glasses of mineral waters sold at the Corporation's Central Spa during the past month was 4,045, compared with 729 for the corresponding month of 1914. At the Montpelier and Pitville bars the number was 337, against 366.

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Belfast.

Dr. Robert Gray, J.P., of the City Drug Hall, Armagh, has tendered his resignation as dispensary officer to the local Union after serving for over forty years.

Mr. J. P. Timmons, L.P.S.I., Navan, has been elected a member of the Executive Committee for Leinster of the Association of Irish Municipal Authorities.

At Broughmore, Lisburn, Thos. Edward Law (47), farmer, took strychnine and died in a few minutes. The verdict at the inquest was suicide during temporary insanity.

At the annual meeting of the proprietors of the Ulster Bank, Ltd., in Belfast last week, Mr. W. McMullan, of Thos. McMullan & Co., druggists, Victoria Street, Belfast, was elected a member of the Committee of Management.

Mr. R. F. Blake, analytical chemist, Belfast, has agreed to conduct medicine analyses for Navan Guardians at 6s. per sample "until such time as the Local Government Board change their views on the question of remuneration payable to Union analysts."

The Local Government Board have pointed out to the Gorey Board of Guardians that a requisition for 2 oz. of santolin sent by Dr. Nolans to Boileau & Boyd was excessive considering the price, 14s. per oz. Dr. Nolans replied that he did not think the drug was so expensive. The contractors offered to take back the drug at 7s. per oz., but the Clerk said the drug now cost about 36s. an ounce, and under the circumstances it was decided to return it.

FOR THE LONG NIGHTS a most entertaining and readable book is Wootton's "Chronicles of Pharmacy." The two volumes, published at a guinea, are sent post free by the C. & D. for 7s. 6d.

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Edinburgh.

Prescriptions for soldiers' and sailors' dependants have been rather plentiful during the last month. It is an open secret that a fair number of chemists are coming off the list when their contract term expires.

Intimation has been made to Scottish pharmacists that a meeting of the Sub-Committee appointed to consider the conditions governing the supply of medicines to dependants of soldiers and sailors, with a view to remedying the present abuses, will be held at an early date.

The procrastinators, for once, came off best last week, when the postponement of the increased medicine stamp-duty was announced. Most of those who spent Tuesday evening stamping medicines in stock have either had to raise their prices prematurely, or purchase fresh supplies from the wholesale houses.

Edinburgh chemists' windows are reminiscent of the olden days of professional pharmacy, and while many might be used perhaps to better advantage than as accommodation for carboys and specie-jars, one is struck by their beautiful and clean appearance, evidence of orderliness within. Like Glasgow chemists, their Edinburgh brethren are adopting autumn leaves as an adjunct to their displays. Boots, Ltd., make use of their windows for a soldiers' necessities display.

Fife.

Burntisland shopkeepers have agreed to close nightly at seven, and at 9 P.M. on Saturdays. These arrangements will be modified during the Christmas season.

Kirkcaldy Insurance Committee have issued a notice to the public that insured persons must study more closely the rules on page 4 of the card. Special directions are given that all home calls must be notified to the doctor daily before 10 A.M.

The following are among the new prices agreed upon by certain county chemists: Angier's Emulsion, 1s. 1½d., 2s. 6d., and 4s.; S. & M. Food, 10½d., 1s. 6d.; Benger's Food, 1s. 4½d.; Cuticura soap, 11½d.; malt and oil, 1s. 3d., 2lb. 2s. 3d., etc.; and lin. camph., 3d. per oz.

An adjourned meeting of chemists in the eastern section of the county was held last week, when the resolution previously forwarded to the N.B. Branch was adhered to—i.e., to discontinue dispensing free medicines to soldiers' and sailors' dependants unless radical changes were introduced regarding the granting of books. Notification has been sent to doctors and Committees concerned, and free medicines have ceased as from September 30.

Glasgow and the West.

A dainty dish in war-time economy! A Glasgow chemist was last week asked to supply a pennyworth of "venison in turpentine." It was not difficult to understand.

Dispensing chemists have found the "Eusol" hints given in the C. & D. by Mr. Alexander, Edinburgh, to be exceedingly useful. Especially is this the case among those who supply nursing institutions.

The premises of the Blythswood Nursing Institution, 22 Burnbank Terrace, have been converted into a war-dressing dépôt for the Scottish Red Cross Society. Here local ladies will collect bandages, gauze, tapes, splints, and any instruments for surgical use.

Scottish readers of the C. & D. are again reminded that much valuable time will be saved by labelling hampers and boxes in large letters "hospital medicines" or "hospital empties." This will ensure a thorough and quick transit to any destination by rail.

Indiarubber hot-water bottles have now captured the city windows, reminding the public of the approach of raw, foggy days. There is little difference in this season's prices compared with those of two or three years ago. Body-belts, hair soles, and cough-lozenges in tins are the favourites for the Front meantime.

Legal Reports.

Trade Law.

Exporting Opium.—At the Mansion House Police Court, London, on October 6, Percy Brock Rowley (41), merchant, Muswell Hill, was remanded on a charge of being knowingly concerned in illegally removing for exportation prohibited goods—viz., opium; also for making a false declaration relating to the Customs. Mr. Dart, for the prosecution, said the Customs officials had had considerable trouble in finding the accused.

Grey Powder.—At Lurgan Petty Sessions on October 5, Alfred W. Mann, Ph.C., was summoned, under Section 6 of the Sale of Food and Drugs Act, 1875, for selling grey powder which contained 33.2 per cent. of mercury, 67.68 per cent. of chalk, and 0.3 per cent. of mercuric-compounds. Mr. H. Totten, the county analyst, certified and gave evidence to this effect. For the defence, it was stated that the drug was purchased in Belfast, and guaranteed B.P., but it was impossible that it could be the same after keeping for six months. Dr. T. B. Pedlow deposed that such a small percentage of mercuric-compound would do no harm, and the Magistrates agreed that the offence was technical, fining defendant 6*d.*, and 20*s.* costs.

Insurance Doctor's Limitation.—At Blackpool County Court on September 29, Dr. G. J. W. Johnson, Fleetwood, sought to recover 6*l.* 11*s.* from William Jackson, Queen's Terrace, Fleetwood, for professional services. Defendant was on the doctor's list, and Dr. Johnson said he was not going to give a special prescription, for which he had refused 1,500*l.*, to defendant for a chemist to make up. It was a cure for rheumatic fever. Judge Sturges allowed judgment against defendant for the items claimed, except 3*l.* 5*s.* He said if the contention raised by the doctor prevailed, the objects of the Insurance Act would be frustrated. A doctor attending a panel patient should do his very best to effect a cure, and if he knows by his learning and skill of drugs something which other people do not know, he is bound to give the patient the benefit, unless the drugs are outside the list of those allowed by the Commissioners.

Ownership of Gas-cylinders.—In the Bow County Court, before Judge Smyly, K.C., on October 4, Barrett & Elers, Ltd., Dare Road, Old Ford, carbonic-acid manufacturers, sued J. Marsh, Hemming's Brewery, 251 Bow Road, E., for the return of a number of carbonic-acid gas cylinders. The defendant did not appear to defend the action. Mr. W. W. Robinson, a representative of the plaintiff company, explained that cylinders had to be returned within thirty days, and, in the event of that not being done, a charge of ½*d.* a day demurrage was made. The defendant had recently taken over a temperance brewery, and it came to their knowledge that these cylinders were on the premises. They at once claimed them, but the defendant refused to give them up, as he said he purchased them with the business. Witness had no idea at all how they got on the premises. Judge Smyly made an order for the return of four, which he valued at 2*l.* 5*s.* each, 9*l.* in all, to be reduced to 5*s.* if returned in seven days.

Sale of Izal.—At Manchester County Court, before Judge Miller, on September 30, T. L. Briscoe, drug-store proprietor, 197 Bradford Road, Ancoats, was sued by the Pharmaceutical Society of Great Britain for a penalty of 5*l.* under Section 15 of the Pharmacy Act, 1868, in respect of the sale of Izal. Defendant failed to appear, and judgment was given for the plaintiffs for 5*l.*—George William Harrison, 142 Great Clowes Street, West Gorton, was also summoned for a similar offence. It was stated that analysis of the contents of an 8-oz. bottle of Izal purchased at his shop showed that 12 per cent. of the homologues of carbolic acid was present. Defendant stated that he never remembered having seen a bottle of Izal in his life. The shop was not his, but belonged to his wife; he was practically out of work, and was only doing a bit of work two days a week in driving a motor-car. In this case also judgment was given for the Society for 5*l.*, the amount to be paid by instalments of 1*l.* per month. The witnesses' costs in the two cases were ordered to be divided between the defendants.

DR. DE BOI CO., LTD. (P.C.).—Capital 200*l.* Objects: To make over the business of chemists and druggists carried on by A. F. Heane and A. C. Noble at 27 Wollaton Street, Nottingham, as the "Dr. De Boi Co." The subscribers and first directors are A. F. Heane, solicitor, Nottingham, and A. C. Noble, accountant's manager, West Bridgford. R.O., 27 Wollaton Street, Nottingham.

Limited Companies.

New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

CRESOL CHEMICALS, LTD. (P.C.).—Capital 10,000*l.* The first directors are Auguste Oddenino (chairman), Henri Terrisse, and Walter Budd. R.O., 62 Regent Street, W.

ALLIANCE CHEMICAL PRODUCTS, LTD. (P.C.).—Capital 1,000*l.* Objects: To carry on the business of chemists, druggists, dyers, oil and colour men, etc. Solicitor, L. Mager, 70-71 Gracechurch Street, E.C.

UNITED KINGDOM GLASS CO., LTD. (P.C.).—Capital 10,000*l.* The first directors are Sir Richard C. Garton, C. A. Chidell, T. Gamble, and G. A. Seaward. Solicitors, Hunter & Haynes, 9 New Square, Lincoln's Inn, W.C.

SUN CHEMICAL CO. (P.C.).—Capital 1,000*l.* Objects: To carry on the business of wholesale, retail, manufacturing, and dispensing chemists, druggists, etc. The first directors are T. Davies and Mabel Francis. R.O., 5 South Street, Finsbury, E.C.

F. CARLILE & CO., LTD. (P.C.).—Registered in Dublin.—Capital 25,000*l.* Objects: To carry on the business of warehousemen, wholesale druggists, etc. The first directors are F. Carlile, W. H. Dunlop, and J. C. Sheridan. R.O., 13 Howard Street, Belfast.

ALBERT WILLIS & ARTHUR, LTD. (P.C.).—Capital 3,000*l.* Objects: Takes power to carry on the business of chemists, druggists, etc., and to enter into an agreement with A. Druffi, A. L. Abrahams, and W. Howard and A. Horsnell. R.O., 235 Oxford Street, W.

EDWARD RAPER, LTD. (P.C.).—Capital 750*l.* Objects: To carry on the business of manufacturers of and dealers in drugs, pharmaceutical, chemical, medicinal, and other preparations, etc. The subscribers are A. Sharp (or Tharp), chemist, Eastbourne, and T. W. Holloway, law clerk, Eastbourne. R.O., 57 Western Road, Brighton.

Company News.

EVANS SONS LESCHER & WEBB, LTD.—Warrants for the half-year's dividend on the preference shares due October 1 have been posted.

TAYLORS' DRUG CO., LTD.—The balance-sheet and accounts for the financial year which ended on June 30 show profits amounting to 14,524*l.* 1*s.* 2*d.*, against 14,222*l.* 10*s.* in 1914, 10,895*l.* 13*s.* 11*d.* in 1913, and 6,373*l.* 9*s.* 4*d.* in 1912. The directors have authorised and paid a preference dividend of 6 per cent. per annum for the half-year up to September 30.

Private Arrangements.

THE creditors of the late W. W. Simpson, chemist and druggist, Grantham, whose liabilities were 390*l.* and assets 456*l.*, decided at a meeting on September 24 that the business should be carried on for a limited period, with a view to disposing of it as a going concern. Mr. G. Montague White, of Francis Nicholls, White & Co., was appointed trustee on behalf of the creditors.

At a meeting of the creditors of Henry Francis, chemist and druggist, Dinas Powis, Glam., on September 24, a statement of affairs was submitted showing liabilities 247*l.* 13*s.* 6*d.* and net assets 65*l.* 2*s.* 2*d.* Debtor was unable to make any offer of composition, and it was resolved that if he could not find security for a composition of 5*s.* in the pound he should execute a deed of assignment to Mr. C. E. Dovey, as trustee, with a Committee of inspection. The creditors include William Cooper & Nephews (5*l.* 10*s.*); Duck & Son (20*l.* 7*s.* 6*d.*); Evans Sons Lescher & Webb, Ltd. (8*l.* 15*s.* 9*d.*); C. R. Harker, Stag & Morgan, Ltd. (35*l.* 16*s.* 8*d.*); and May, Roberts & Co., Ltd. (35*l.* 11*s.* 4*d.*).

A MEETING of the creditors in the executry estate of the late Angus Hugh Macbeth, chemist and druggist, Tarbolton, was held at Glasgow on September 30, when a statement of affairs was submitted showing liabilities 215*l.* 7*s.* 8½*d.* and net assets 164*l.* 4*s.* 3*d.* It was reported that Mr. Macbeth joined the Army last December, and was killed at the Dardanelles on July 1. His sister had been appointed executrix, and it was explained that the business had been carried on from July 1 till the present time, but no profit had been earned during that period. It was resolved that so soon as the realisation was completed the estate be divided among the creditors. A Committee of the three principal creditors was appointed.

Business Changes.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

BROOKS, PEEL & Co., LTD., collapsible-tube makers, have removed to 24 City Road, Finsbury Square, London, E.C.

MR. ALFRED JOENSSON announces that the business of Vos, Kessler & Joensson, Ltd., will in future be conducted under his own name at 5 Market Buildings, 29 Mincing Lane, London, E.C.

MR. G. KNOWLES, of the Prescription Pharmacy, 153 High Street, Harborne, has entered into partnership with Mr. William C. Taylor, and the business will in future be carried on as Knowles & Taylor.

MR. JOSEPH A. HARDY, 671 Querbes Avenue, Montreal, Canada, informs us that the business of the Hardy-Wyndham Co., importers of druggists' supplies, has been dissolved, and that he will continue to trade in his own name at the above address.

CHAS. ZIMMERMANN & Co. (CHEMICALS), LTD., 9 and 10 St. Mary-at-Hill, London, E.C., inform us that from October 1 they have arranged that the Lysol business formerly carried on by them will be worked by Lysol, Ltd., direct from the factory at Warton Road, Stratford, E.

Birth.

Authenticated notices are inserted without charge.

BAILEY.—At 64 High Street, Highgate, London, N., on October 4, the wife of Harold E. Bailey, chemist and druggist, of a son.

Marriages.

Authenticated notices are inserted without charge.

BENITZ—HORNER.—At Buenos Ayres, on September 29, Alfred Benitz to Olga Blanche, only daughter of Mr. and Mrs. Edward Horner, of Pebmarsh, Essex, and granddaughter of the late Edward Horner, of May Place, Crayford, Kent.

FERRIER—MITCHELL.—At Mill of Balrownie, Brechin, by the Rev. W. W. Coats, D.D., on September 29, Walter McGill Ferrier, pharmacist, Birmingham, to Annie Baxter, eldest daughter of Mr. David Mitchell, farmer.

GARLICK—WOODS.—At Hannah Memorial Church, Lincoln, on September 25, W. Elmitt Garlick, Ph.C., Chesham (Bucks), son of the late Mr. E. Garlick, Friskney, to Dorothy May Woods, Friskney House, Foster Street, Lincoln.

Deaths.

Authenticated notices are inserted without charge.

CALLAWAY.—On September 21, Mr. Alfred James Callaway, chemist and druggist, Earlsfield, Albany Road, Salisbury, aged forty-seven.

COOKE.—At Westmount, Gorey, Ireland, on September 26, Dr. William J. Cooke, J.P., aged eighty-five. Dr. Cooke was a native of Gorey, and commenced his professional life as apprentice to Dr. Phillip Cooke, Enniscorthy. In 1843 he graduated as a licentiate of the Apothecaries' Hall and L.M. of the Coombe Hospital. In 1850 he took over the Gorey Medical Hall from Dr. Lees, and about the same time he entered the public life of the town as a member of the Town Commissioners. The late Dr. Cooke, both in public and professional life, earned the regard and esteem of all classes in Gorey, and the news of his death was received with great regret by all. He retired from business in 1907, and was succeeded by his nephew, Mr. James E. Cooke, Ph.C., who now carries on the business.

DRIFFIELD.—At Spilsby, Lincolnshire, on September 24, Mr. Robert Driffeld, chemist and druggist, aged fifty-five.

HALL.—At Moorland Road, Bath, on October 6, Mr. J. Gilbert Hall, chemist and druggist, aged fifty. Mr. Hall had been in failing health for some little time, but was at his business as usual up till last Saturday. He was an active member of the Bath Section of the Athletes' Volunteer Corps and took part in the recruiting rally that day. While on the march he had a breakdown and steadily grew worse.

Mr. Hall passed the Minor examination in 1895 when he was an assistant with the late J. E. Pinch, chemist and druggist, Cheap Street, Bath. Subsequently he bought the old-established pharmacy of the late Joseph Knight, Southgate Street, and ten years ago removed to the rapidly developing district of Oldfield Park, and had carried on business at 3 Moorland Road ever since. He leaves a widow and three children. The funeral will be at Twerton Cemetery on Saturday.

LEACH.—At a nursing-home in Blackburn, on October 1, Mr. Albert Henry Leach, chemist and druggist, Kay Street, Darwen. Mr. Leach was out motoring the previous weekend, and was taken ill at Hoghton on the return journey. He was a native of Darwen, where he had been in business for some years, having qualified in 1895.

PARKER.—At 19 Cecil Road, Upton Manor, on October 2, after a short and painful illness, Mr. Francis P. Parker, who for many years represented Arthur H. Cox & Co., Ltd., manufacturing chemists, Brighton, in the South Coast district, where he was well known and highly respected.

WITHERS.—At 18 Cannon Street, Dover, on September 28, suddenly, Mr. John Thomas Withers, chemist and druggist, manager of the Timothy White Co.'s branch at that address, aged forty-four. Owing to the suddenness of Mr. Withers' death an inquest was held on the day following, when Mrs. Withers stated that he was seized with a fit of coughing at half-past seven on the Tuesday morning after having taken a dose of cough mixture. Mrs. Withers called assistance, and Dr. J. Reginald Long responded to a telephone message, but when he reached the house he found Mr. Withers lying on the floor dead. He found that death was due to cerebral hemorrhage. Mr. Withers had had an abscess on the brain years ago, but he had been examined two months since for the Army, and had passed as medically fit. Dr. Long thought that Mr. Withers had been working very hard of late owing to being short-handed. The jury returned a verdict in accordance with this evidence. At the funeral on Friday, October 1, a large attendance included representatives of the Kent Volunteer Fencibles, under Colonels Davidson and Smythe, besides Masonic representatives: Messrs. J. F. Brown, E. Ewell, and G. F. Forster, of the Dover Chemists' Association, and Mr. Hobbs, President of the Kent Pharmacists' Association.

Killed in Action.

CAWLEY.—Information has been received by Sir Frederick Cawley, Bart., M.P., of the death at the Dardanelles, as the result of wounds, of his son, Captain Harold T. Cawley, M.P., in his thirty-eighth year. Captain Cawley is the third member of Parliament who has been killed in action since the war commenced, and another (the Hon. T. C. R. Agar-Robartes) was announced on Monday. It will be remembered that Mr. Cawley was a member of the House of Commons Select Committee on Patent Medicines, and his examination of witnesses, although, as a rule, brief, was one of the bright features of the inquiry.

GODDEX.—Killed in action in France, Corporal Arthur J. Godden, Royal West Kent Regiment, formerly assistant with Mr. R. Sidney Smith, Ph.C., New Town Pharmacy, Uckfield, Sussex.

SEGNITZ.—Killed in action in France, on September 25, Second-Lieutenant H. F. Segnitz, London Regiment, of Rosing Bros. & Co., South American merchants, 10 Basinghall Street, London, E.C., son of the late Adolf Segnitz and Mrs. Segnitz, 4 Whitehall Court, S.W. When war was declared, Mr. H. F. Segnitz enlisted in the H.A.C., and went to France in 1914 as corporal. In January 1915 he was invalided home, and on recovering obtained a commission in the London Regiment. He returned to France in June.

Gazette.

Partnerships Dissolved.

CANNAN, D., and HOLTHUSEN, A. W., 49 Woodgrange Road and 34 Sebert Road, Forest Gate, Essex, surgeons and general medical practitioners, under the style of Cannan & Holthusen.

CARMICHAEL, A., ALLAN, E., and WARE, J., Barrow-in-Furness, surgeons, under the style of Carmichael, Allan & Ware; so far as concerns A. Carmichael.

LEIGH, W. H., and YOUNG, J., Westhoughton, Lancaster, medical practitioners, under the style of Drs. Leigh & Young.

U.S.A. EXPORTS.—During the six months ended June 1915 the exports of chemicals, drugs, dyes, and medicines amounted in value to \$30,937,000, against \$13,541,000 and \$13,250,000 for the corresponding periods of 1914 and 1913.

Pharmaceutical Society of Ireland.

Annual Meeting.

THE thirty-ninth annual meeting of the Society was held at 67 Lower Mount Street, Dublin, on Monday evening, October 4, Mr. D. M. Watson presiding. The members of Council also present were: Dr. J. A. Walsh,



MR. D. M. WATSON.

Messrs. G. D. Beggs (Hon. Treasurer), Joseph H. Bowden, and A. Owen Wells, besides the following members of the Society: Dr. A. J. Barnes, Dr. J. S. Ashe, Messrs. Henry Conyngham, R. S. Conyngham, M. O'Donnell, M. Ryan, J. T. Dwyer, P. J. Burns, and Victor E. Hanna.

COUNCIL ELECTION.

The Registrar submitted the report of the scrutineers of the ballot for the election of seven members to the Council. They declared that the voting was as follows:

Dr. J. A. Walsh, 180 votes; Mr. Thomas Batt, 150; Mr. James Michie, 142; Dr. M. R. Whitla, J.P., 122; Mr. Thomas N. Moffitt, 115; Mr. Wm. J. Hardy, 111; Mr. Wm. Doig, 103; Mr. R. W. Hayes, 88; Mr. P. J. Burns, 83; Mr. Michael Ryan, 81; Mr. D. J. Nugent, 76; and Mr. J. F. Jessop, 71. The scrutineers were the President, Messrs. J. H. Bowden, A. Owen Wells, Jas. T. Dwyer, and Michael Ryan.

The PRESIDENT, declared Dr. Walsh, Mr. Batt, Mr. Michie, Dr. Whitla, Mr. Moffitt, Mr. Hardy, and Mr. Doig members of the Council, who had retired by rotation, re-elected for the term of three years.

It was stated that Mr. Jeremiah O'Connor, who had been awarded the Gold Medal in the Licence examination, was not present. The President briefly remarked upon the distinction.

Presidential Address.

The PRESIDENT then proceeded to address the members on the work of the past year. He said: This is the first opportunity I have had to express personally to the members of this Society my regret at not being in the chair at our last annual meeting. I was obliged, as you have been already informed, to be in London in connection with the scheme for providing medical benefit for the dependants of soldiers and sailors, a scheme which, by the way, our licentiates have supported so warmly. Mr. Watson then entered into details, which we summarise:

REGISTERS.

There were 994 pharmaceutical chemists on the 1915 Register, this being an increase of 18 over the preceding year. Of pharmaceutical assistants there were 165, or an increase of 7. Of chemists and druggists, 133, being a decrease of 29; and of registered druggists, 616, or an increase of 6. There was thus an increase of 2 on all grades, the totals being 1,906 in 1914 and 1,908 in 1915. Subscribers to the Society showed a decrease of 13 on the year, the numbers being 320 members and 22 associate druggists.

EXAMINATIONS.

For the Preliminary examination 88 candidates entered in 1915, against 84 in 1914, and the failures numbered 39, this being a decrease of 8 on the preceding year. The passes numbered 49, and besides these 30 persons were registered on certificates from other bodies, the total of 79 comparing with 66 in 1914. The following passed the Society's Preliminary examination with honours: Theresa Murphy, Edward A. E. Ashe, George F. Pollock, Helen M. O'Kane, Bernard J. McGarry, and Patrick Tobin.

For the Pharmaceutical Licence examination there were 93 candidates, against 101 in 1914, and of these 33 passed,

against 36 in 1914. Jeremiah O'Connor passed with honours, and has been awarded the gold medal, while Joseph Reynolds and Julianna Keegan also passed with honours.

Ten candidates entered for the Pharmaceutical Assistants' examination in 1915, and 7 passed (23 and 11 in 1914).

Eight out of 18 candidates passed the Registered Druggists' examination (11 and 23 in 1914).

Two new examiners were appointed during the past year: Mr. William Johnston, B.A., for the Preliminary examination, and Mr. John Burnett, M.P.S.I., for the Practical Pharmacy division of the Final examination, in place of Dr. W. V. Johnston, M.P.S.I., whose five years of office had expired.

THE SCHOOLS.

The practical chemistry class conducted by the late Professor Patrick Kelly is now conducted by Professor George Brownlee, B.Sc. Mr. Wilfred McLean, B.A., B.Sc., was appointed Professor of Theoretical Chemistry in the latter's place, but he is leaving, as he has got an appointment under the Munitions Department. Drs. Mather Thomson and John A. Clarke conducted the botany and materia medica school, but Dr. Clarke has now gone to reside in London. The total number of students attending the schools in 1915 was 101, compared with 74 in 1914, the subjects taken being practical chemistry, 23; theoretical chemistry, 40; and botany and materia medica, 33. In the materia medica class first prizes were awarded to Max Greenbat, John Healy, and Patrick Owens, and a second prize to John Lyons. In the botany class first prizes were awarded to Max Greenbat, Herbert O. Mackey, and John Corcoran, while Patrick J. Rice took a second prize. No student reached the minimum standard of marks in the chemistry class—70 per cent.—so no prize was awarded.

The PRESIDENT also referred to the work of the Law Committee, which continues to watch carefully over breaches of the pharmacy laws. The Committee found it necessary to recommend the Council to order the prosecution of four unqualified persons for compounding, and in each case the appeal to the Lord-Lieutenant for reduction of fine was unsuccessful. Four unqualified persons were each fined 5*l.* for sale of poisons. In each case an appeal was made to the Lord-Lieutenant, and the fines were reduced to 1*l.* each. This is a great hardship to the Society, and helped to swell the amount of net law costs, 78*l.*

WAR AND RECENT EVENTS.

The war brought prominently before the Council the unsatisfactory status of pharmaceutical chemists in the R.A.M.C. It is hoped that eventually commissioned rank may be secured for them, as is the case in the French and other armies. At present licentiates consider it more to their advantage to join any other arm of the Service, and many have answered the call to serve their King and country, among them being the following: Mr. Joseph M. Carrick, M.P.S.I., Dr. W. V. Johnston, M.P.S.I., Dr. McWalter, M.P.S.I., Mr. Thos. Spratt, M.P.S.I., Messrs. John Duncan Blair, James Freckleton McAlister, Wm. Andrew Murphy, pharmaceutical chemists. Probably there are others whose names are not at present available. Reference was also made to medical treatment for dependants of men with the Colours, and what the Society did in the matter, but a very small number only of prescriptions have been claimed for by Irish pharmacists, many having evidently decided to give the medicines free. The special fund for distressed Belgian medical men and pharmacists was subscribed to by many Irish pharmacists, chemists and druggists, and registered druggists, and altogether about 1,000*l.* was sent by Irish doctors and pharmacists to the headquarters Committee for distribution.

Recent legislation and the great scarcity of many popular drugs are likely to affect considerably the practice of pharmacy for some time to come. The proposal to supply duty-free spirit to hospitals, the increased duty on alcohol, and the increased stamp-duty on patent medicines are likely to have other effects than the purely economic one, and the same may be said about the enormous increases in the prices of so many of the most-used drugs. Some of these effects may not last much longer than the war; some of them may be for the public good, and some to its hurt. It is probable that the original proposal as to spirit for hospitals (already modified) will be further altered before it becomes law, if indeed it ever does. As to duty-free alcohol for all alcoholic medicines, the President remarked that it seems desirable to let the duty remain, although there are cogent reasons for remitting it. The doubling of the patent-medicine duty will probably affect to some extent the sales of so-called "patent medicines," although it is really doubtful whether that will be so to any appreciable extent. The public are too addicted to the habit of self-treatment; indeed, the public may be almost said to demand charity. This can be demonstrated, if, indeed, it requires demonstration, by explaining, as I have frequently done quite plainly,

that type of advertisement, which pretends to be editorial and embodies a so-called prescription which contains a secret remedy. The price of the mixture often prevents a purchase, but the explanation generally has no effect, except in some cases to make the possible purchaser go elsewhere, thinking one has some ulterior motive in the explanation. After some remarks on the relations between physician, pharmacist, and patient, Mr. Watson concluded by saying: "I cannot sit down on the occasion of the conclusion of my second year of office without expressing my thanks for the hearty co-operation of the Vice-President, the Treasurer, and the other members of the Council, both as members of Council and as Committee-men. Nor can I stop without saying something about Mr. Ferrall. But the difficulty is to know what to say about Mr. Ferrall. The only thing that occurs to me is to repeat once more what I have already said, in somewhat different language perhaps: that the Pharmaceutical Society is almost Mr. Ferrall's religion—I don't say altogether, but almost. (Laughter.) Dealing with him as I have been dealing with him for the last three or four years, it is astonishing to see the way in which he has absorbed everything in connection with our Act, and with precedent and all our practice. If it were not for Mr. Ferrall, it would have been impossible for me to do the work even as I have done it. (Applause.)"

Mr. FERRALL expressed his thanks for the President's kind remarks concerning him.

TREASURER'S STATEMENT.

The HON. TREASURER (Mr. G. D. Biggs) submitted a statement showing the income of the Society during the year, apart from 32*l.* 3*s.*, balance due by the Bank of Ireland, was: Examination and re-examination fees, 462*l.*; subscriptions, 341*l.* 5*s.*; and dividends, fines, rents, and sundries, 122*l.* 18*s.* 8*d.* The expenditure on the examinations amounted to 238*l.* 2*s.* 6*d.*; Registrar's salary, 168*l.*; Journals, 39*l.* 1*s.* 8*d.*; rent and taxes, 51*l.* 5*s.*; sundries, including lighting, repairs, chemicals, etc., 141*l.* 8*s.* 8*d.*; law costs, 112*l.* 6*s.* 8*d.*; postage and sundries, 110*l.* 4*s.* 3*d.*; expenses in connection with medical treatment for naval and military dependants, 16*l.* 9*s.* 1*d.*; Presidential badge, 21*l.*; gold and silver medals, 4*l.* 9*s.* 6*d.*; travelling expenses of country members of Council for 1914, 44*l.* 5*s.* 6*d.*; stamps on drafts, 8*s.* 4*d.*; the total thus being 947*l.* 1*s.* 2*d.*, leaving a balance of 11*l.* 5*s.* 6*d.* in the Bank of Ireland. Referring to law costs, Mr. BIGGS said they amounted to 112*l.* odd, and they only got 34*l.* returned in fines. The Government had given them an Act of Parliament to carry out the law, but had not given them one farthing to help them to do so. The time had arrived when, in his opinion, the cases of persons found breaking the law should be sent to Dublin Castle with a view to the authorities undertaking the prosecution. The fact that the Society had expended so much in law costs was an answer to those who suggested that the Society was not doing its duty. Mr. Biggs also bore testimony to the untiring energy with which Mr. Ferrall had prepared the accounts.

Mr. H. CONYNGHAM, referring to the law costs, spoke of the difficulty of getting witnesses to come forward in cases of prosecutions. Considering what the Council had done, the members of the Society ought to be very much obliged to them. He proposed that the Treasurer's statement be adopted.

Dr. BARNES seconded the motion, which was passed, as were also the school accounts.

EXAMINATION AND OTHER MATTERS.

Mr. H. CONYNGHAM expressed the opinion that if their Final examination were divided into two they would have better results.

Dr. BARNES called attention to the small number (57) of available qualified assistants able to act in the absence of a principal. Apart from war conditions, he had found it increasingly difficult to get hold of this class of assistant. He said the reason is that an apprenticeship of four years is insisted upon the same as for the Licence examination, and students steered for the latter. He suggested cutting down the term of apprenticeship to two years. He also thought that there should be a compulsory Intermediate examination on all fours with the Assistants' examination with the addition of botany and chemistry. It should not be open to assistants earlier than the completion of two years' apprenticeship, and it should be passed at least a year before entering for the Final examination. Owing to the long lapse between the Preliminary and the Licence examinations assistants were very apt to get rusty in their work, and he had

found, by personal experience, that in a good many cases there was a great inclination to rush the work for the Final within the last few months. He believed such an examination would be of immense benefit to everybody concerned. Dr. Barnes then spoke in appreciation of the work done by the Council, mentioning instances in which it had done service to the whole craft.

Mr. HANNA supported what Dr. Barnes had said about the examinations. As an examiner he hoped the Council would consider the matter. He did not know why the three years' limit was abolished. An examiner, he added, is quite competent to pass a man after three years' experience and qualify him to take charge of a pharmacy in the absence of his employer.

Mr. A. OWEN WELLS thought few pharmacists would like to leave their shop to the care of an assistant with two years' experience, and he suggested that if a candidate for the Licence passed the pharmacy portion of that examination, he might be allowed to register as an Assistant on paying 1*l.*

Mr. H. CONYNGHAM asked if they would be in order in making a recommendation to the Council in reference to these matters?

The PRESIDENT said he was sure that the Council would be very glad if any suggestion were made which would enable it to increase the number of candidates; and that was what was wanted. This was not a new question. The scarcity of qualified assistants was not confined to Ireland; it was felt everywhere. The question of two years' service was one the consideration of which should be ruled out altogether. The idea that he had been working at for some time was the possibility of making the first part of the examination an examination more in the Practical Pharmacy section. But that idea had this great drawback: that men learned empirically. They did not know what they were doing. Take the case of incompatibilities; it was a very good thing for a man to know incompatibilities, but it was a better thing to know also the reason of these incompatibilities. He did not know that everyone who criticised the Council in this matter recognised that candidates who failed at the Licence examination had the privilege at the last moment of entering for the Assistants' examination. That was a point which narrowed down a good deal of the criticism. Candidates should take more advantage of this provision. He acknowledged Dr. Barnes' compliment, and after some remarks by Mr. R. S. CONYNGHAM, the following resolution was passed, on the motion of Dr. BARNES, seconded by Mr. H. CONYNGHAM:

"It is hereby recommended at the 1915 annual meeting of the Pharmaceutical Society that the Council consider the question of altering the conditions attaching to the Assistants' examination, in order to induce a greater number of candidates to enter for it."

The meeting concluded with a vote of thanks to the President, moved by Dr. WALSH and seconded by Dr. ASHE.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

DEBTS DUE FROM ENEMY TRADERS.

The Council of the Association of Chambers of Commerce of the United Kingdom have decided to inform the Government that, in their opinion, if a Moratorium is declared in enemy countries after the war, the British Government should prevent any payments being made by British traders in respect of debts due to enemy traders until it can be seen whether the debts due to British traders will be paid.

VETERINARY DISPENSARIES.

On September 30, Mr. Ffrench, M.P., asked the Vice-President of the Department of Agriculture (Ireland) whether he is aware that the Wexford Committee of Agriculture passed a resolution requesting the Department to promote legislation with a view to having a scheme of veterinary dispensaries legally included in county schemes; and will he say what he proposes to do in the matter.

Mr. Birrell, in reply, said that legislation with a view to the establishment of veterinary dispensaries is not possible at present.

THE FINANCE BILL.

The House of Commons will resume its sittings on Tuesday next, when the second reading of the Finance Bill will be taken. The text of the Bill is not yet available, but members expect to get it on Thursday (October 7). The question of war-profits will come up for consideration as soon as the House meets, and the discussion on the Budget proposals is likely to occupy the greater part of the remaining Parliamentary time before the adjournment in the second week in November. The postal and telegraphic changes foreshadowed in the Budget speech of the Chancellor of the Exchequer will form the subject of a separate Bill to be introduced as soon as possible after the reassembling.

CO-OPERATIVE SOCIETIES AND INCOME-TAX.

The Chancellor of the Exchequer has announced that, in so far as many co-operative societies make a profit through their trading operations with non-members, such profit is already assessable to income-tax in the hands of the recipient. The ordinary transactions of these societies, resulting in a return to members of any excess purchase-price that may be proved to have been paid by the members, is, in fact, a mere discount on purchases, and not a profit. Lord Claud Hamilton and other members of Parliament had asked the Chancellor on what principle the large profits made by these societies had not hitherto been assessed for income-tax, and whether the exemption would be put an end to in the present Budget.

INCOME-TAX INQUIRY.

There is every reason to believe that the inquiry into the whole incidence of the income-tax laws, which is promised by the Prime Minister to be set up at the conclusion of the war, will be of a most searching and comprehensive character. For the moment it has not been decided whether the investigation shall be undertaken by a Royal Commission or a Departmental Committee, but experts are understood to favour the latter form. The object of the inquiry will be to codify the existing law in a simple and intelligent form, and also to reduce to something like scientific simplicity and practical convenience the network of exemptions, abatements, and other anomalies which have grown up in connection with the present system.

A LITTLE "TIFF."

Mr. Glyn-Jones, M.P., took part in the discussion on the Budget proposals in the House of Commons on September 30, deprecating division of the House on the question of import-duties, whereupon Lieutenant-Commander Wedgwood said the hon. member had always been a member of that party who did what the Front Bench told them. "It is the habit of those hon. members," he added, "who sit on the benches behind the Government to adopt this attitude and then go to the Government offices during the day to get their friends jobs and concessions." Thereupon Mr. Glyn-Jones remarked: "I do not know whether the hon. gentleman means to apply that to me; if so, I should be glad if he would give particulars of anything in that respect."

Lieutenant-Commander Wedgwood: "You said that those hon. members who wanted a division on this question were seeking notoriety."

The Speaker: I think it would be better to come to the subject of harmony.

The incident was closed by Lieutenant-Commander Wedgwood saying: "The hon. gentleman belongs to the goody-goody members who always vote with the Government, lecturing the wild ducks and saying their conduct is endangering the country."

THE SULPHURIC-ACID FAMINE.

In the House of Commons on September 30, Mr. Annan Bryce asked a question in regard to the purchase of sulphuric acid from America, which a London evening paper has been writing about.

Dr. Addison, in replying, said he assumed that what Mr. Bryce meant by "sulphuric acid" was "oleum," or fuming sulphuric acid. Certain quantities of "oleum" had been purchased from America through C. Tennant & Sons, Baring Bros., and C. T. Bowring & Co. In the earliest shipments there was a certain amount of loss due to the type of iron drums used. Iron drums had always been used in this country, in America, and elsewhere for the carriage of "oleum" both by land and by sea, and the particular type used had been passed for the purpose by the American Inter-State Commission. "Oleum," however, had never previously been transported across the Atlantic in quantity, so that no experience of the best type of drum to use for that purpose was available when the earliest shipments were made. The defects in the drums used in these earliest shipments have long ago been remedied. It

was not expedient in the public interest to give particulars as to the terms of purchase of "oleum," but Dr. Addison assured the House that the statements made in a certain newspaper were both inaccurate in detail and misleading in effect. He promised to answer later a question by Sir H. Dalziel as to the amount of the loss, and another by Mr. Bryce as to whether the drums were cast iron or wrought iron.

Trade Notes.

A TON OF PURE CAFFEINE is wanted by Wilcox, Jozeau & Co., 49 Haymarket, London, S.W.

DR. EVAN WILLIAM'S HENNA-SHAMPOO.—The agency for this original product is at 289 Oxford Street, London, W.

A CHEERY-LOOKING PHARMACY is depicted in the advertisement of John Wright & Co., Birmingham; not only cheery looking, but warm, thanks to a "St. Andrew" radiator.

"DISTOL" OTTOS for making perfumes extemporaneously, and perfumes of distinction too, are the subject of an announcement in this issue by Thomas Kerfoot & Co., Bardsley Vale, Lanes., and Bardsley House, London, N.

ALFRED BISHOP, LTD., 48 Spelman Street, London, N.E., ask us to intimate that there has been no change in the wholesale or retail prices of Bishop's Natural Fruit Salino. It is supplied as before, wholesale at 12s. per dozen and retail at 1s. 6d. per bottle (protected price).

BEGHÉ & CHIAPETTA, 29 Via Crema, Milan, Italy, are buyers of hematine crystals, extract of logwood, and yellow extracts—not makers or sellers, as was stated in our issue of September 25, p. 60. Firms in this country who desire to communicate with Beghé & Chiapetta are asked to send samples along with quotations.

TO MAKE TEA by simply adding a tablet to boiling water is the problem that Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool, have solved. The tablet is $1\frac{1}{2}$ in. square, and is composed of tea, sugar, and dried milk. Six of the tablets are put up in a box to sell at 7d. (minimum retail) "a treat for the troops." Similar coffee tablets are also made by the company.

PRICE ALTERATIONS.—Potter & Clarke, Ltd., 60 to 64 Artillery Lane, London, E., call attention in their announcement to several alterations in the prices of their specialities, necessitated by recent legislation. Chemists are requested to note that the extra coffee-duty on dandelion coffee is a $\frac{3}{4}$ d. stamp, instead of a $\frac{1}{2}$ d. stamp, on each $\frac{1}{4}$ -lb. tin. This increased duty is now in force, and all stocks should be stamped immediately.

GOODS FROM JAPAN.—Mr. J. W. Franklin, of J. L. Thompson & Co., Kobe, Japan, is now in London on business. The firm is one of the leading wholesale druggists in the Far East, and is well placed for supplying glassware to any part of the world, including bottles, vacuum flasks, syringes, and certain scientific glassware. Buyers here should take advantage of Mr. Franklin's presence in London to interview him, and any letters addressed to us will find him.

"MODERN PHARMACEUTICAL PRODUCTS" is the title of an artistically produced booklet issued by the Saccharin Corporation, Ltd., 36-37 Queen Street, London, E.C. It deals with the Corporation's products—namely, novocain, trivalin, trivalin hyoscine, diamal and its preparations, pergonol, Tulloch's alloys, and "Ciba" preparations. Reproductions of photographs of the original packages of each of these are given, with descriptions of the packages, prices, and doses where appropriate. Any chemist can get a copy of the pamphlet from the Corporation on application.

ESPRIT DE LIÈGE was introduced by the Peace Pillow Co., 17 Manchester Avenue, London, E.C., when the war broke out as something better than eau de Cologne, with a name that appealed more to Britishers than that of the German town. Esprit de Liège is a more agreeable perfume and toilet-water than eau de Cologne, and is put up in a distinctive manner, the Belgian colours being conspicuous on the label, capping, and silk string which secures the cap. The company are now putting out boxes of a quarter-dozen, so as to form an acceptable Christmas present at a moderate price. The elegant appearance of the box and the perfume add to its attraction. The bottles contain about 3 oz. and the price is 20s. per dozen.

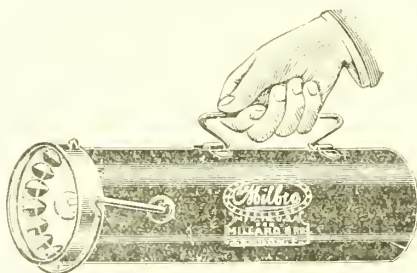
RADIUM POCKET-STOVES.—Thomas Christy & Co., Old Swan Lane, London, E.C., supply these most useful stoves, in tins containing three stoves, at 11s. per dozen tins. Stoves of this nature, containing solidified methylated spirit, are indispensable trench-requisites. Each stove is a flat tin filled with the solidified spirit, and one is sufficient to boil several cups of water. There is a folding arrangement, like

a tripod, which stands on the top of the tin in order to support a kettle or pannikin for heating the water. There is every reason why during the cold weather chemists at home should find a good sale for these, as people will need as much comfort as they can get this winter. We observe that "Christy's Monthly" for October contains a note on these stoves and on some other leading lines which the firm commend to the attention of those who want to increase sales. A copy of it can be obtained from them on application.

NAIL-BRUSH BARGAINS.—Mr. H. A. Wanklyn, brush manufacturer, 17 Manchester Avenue, Aldersgate Street, London, E.C., is advertising in this issue three styles of nail-brushes of which he holds stock and is offering as bargains. We have had the opportunity of examining the brushes. One is a fibre brush of the double type, the back of whitewood having rows of fibre in half-moon shape for brushing the nails, the front portion being the usual form for the hands. This Mr. Wanklyn is supplying at 36s. per gross. A second brush is made of whitewood and pure white bristle, the part in which the bristle is inserted being varnished, but the rest of the handle is plain whitewood. The brush makes a good handful and costs 12s. a dozen. It is equal to brushes that are sold from 2s. to 2s. 6d. each. Another brush of about the same size, with polished back, is nearly pure grey bristle, and Mr. Wanklyn is selling it at 72s. per gross.

CHEMISTS' WINTER SPECIALITIES.—Thomas Waide & Sons, chemists' printers, Kirkstall Road, Leeds, submit to us a portfolio of specimens of advertising-matter which they are at present producing. The first three specimens are clever representations of a high-explosive shell, shrapnel-shell, and an armour-piercing shell, the front being an exterior view and the back page a cross-section of the interior, cleverly done and interesting in each case. Inside is printed matter, headed "Three Shells," so we presume the idea is for chemists to get a set of the three with their own advertising-matter alongside the descriptions on the shells given inside. Every leaflet or circular in the portfolio embodies a bright or new idea, which makes the advertisement appeal to the reader. For example, "We want to drive this wedge home," is printed on the figure of a wedge, and fronts expressive sentences about pectoral balsam, cod-liver-oil emulsion, and an influenza-remedy. Other ideas are "Burning the candle at both ends," on a representation thereof, and a series of match-problems, such as "Make eight into thirteen without any addition," on leaflets measuring 4½ in. by 3 in. Those who want to bring fresh customers to their pharmacies by making a feature of a speciality should write to Messrs. Waide for specimens and prices.

THE DA-LITE ELECTRIC LANTERN.—We have had an opportunity of inspecting the new "Da-lite" electric lantern, which has been put on the market by Millard Bros., Ltd., 123 Houndsditch, London, E.C. The lantern is of the torch type, 9½ in. long by about 3 in. in diameter. The reflector is parabolic in design, is handsomely silvered, and the double-convex lens is specially adapted to it. The combination of special tungsten bulb, lens, and reflector gives a good



light, and the lantern should prove useful wherever a safe light is required. A movable support and a handle are provided, which fold close to the body of the lamp when not in use. The price in black-steel finish, complete with bulb and battery, is 5s. 9d. each. "Long-life" dry cells, which can be kept in stock without deteriorating, cost 15s. per dozen, and the "Mazda" bulb, specially made for this lamp, costs 6s. per dozen.

EDWARD COOK & CO., LTD., The Soapery, Bow, London, E., have just published a booklet entitled "Soap: Its History and Connection with the House of Cook's, London." Thirty of the forty-eight octavo pages are devoted to nine chapters on the history of soap. This begins with the reference in Jeremiah to soap (612 B.C.). Soap-making was first introduced into England in the fourteenth century; the industry grew steadily, and in 1524 the manufacture of soap

began in London, and in 1622 Charles I. gave the monopoly to the Society of Soap-makers at Westminster, on condition that they paid him 4l. per annum on 5,000 tons of soap annually. This led to much controversy and bitter feeling—indeed, persecution; but history is practically silent about soap until in Queen Anne's time (1711) 1d. per lb. Exeise-duty was paid on all soap made in Great Britain. Towards the end of the eighteenth century Leblanc's soda-process gave a great impetus to soap-making. It was about that time that Edward Cook, of Norwich and Lynn, founded the business now carried on as Edward Cook & Co., Ltd. He was one of the first to perceive the possibilities and advantages of Leblanc's discovery, and his business progressed so well that in 1820 he acquired the London soap-works of Mr. Darby at 25 Bankside, Southwark. The rest will be found in the "History" itself, which is a document of great interest, with reproductions of old prints and many portraits, also of the Cook premises then and now, and a special chapter on the company's toilet-soap and perfumery departments. The booklet begins with a Roll of Honour, giving the names of directors, staff, and workmen who are serving the country at the present juncture. We understand that a copy of the booklet will be sent to any of our subscribers on application, and it certainly should not be missed.

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

MR. G. C. DRUCE, M.A., Ph.C., J.P., is the subject of a portrait and appreciation in the "Oxford Journal Illustrated" of September 8.

COUNCILLOR WILLIAM BRIGGS, retired pharmacist, Lancaster, has accepted an invitation to continue the Mayoralty of the borough for a third year.

MR. JAMES LAURIE, chemist and druggist, 2 Lytham Road, Blackpool, has been re-elected a director of the local Tradesmen's Mutual Plate-glass Insurance Society.

MR. A. MILLIDGE, chemist and druggist, High Street, Newport (I. of W.), has been appointed Treasurer of the Alban Lodge of Mark Masons, of which he is a Past Master.

MR. J. HEDLEY, who recently retired from the management of Muspratt's Chemical-works of the United Alkali Co., Ltd., after occupying that position for twenty-five years, has accepted the Mayoralty of Widnes.

MR. WILLIAM LEECH, chemist, Perth, Western Australia, has recently amalgamated his business with that of the British Drug Co., 202 Pier Street, Perth, Western Australia, and has been appointed managing director. The company holds agencies for several London firms, and Mr. Leech is now on a six months' business visit to London.

MR. FRANK ROSS, chemist, Calcutta, who has been spending a vacation in England, latterly in London, where he has been fixing up some business matters and has undergone a slight surgical operation, leaves London on Friday, October 8, for Paris and Marseilles, whence he will sail for Calcutta. Mr. Ross has three pharmacies there, and expects to open a fourth soon.

MR. SAMUEL W. FAIRCHILD, of New York, was among the guests at the luncheon given by the Bankers' Club, New York, on September 21, to Lord Reading and other members of the Franco-British Financial Mission. Mr. Fairchild, it may not be generally known, is a bank director, as well as a pharmacist and partner of Fairchild Bros. & Foster.

MR. R. C. WREN, F.L.S., of Potter & Clarke, Ltd., Artillery Lane, London, E., arrived at Lagos, Nigeria, on September 11, by s.s. *Karina*. After a rest over the Sunday, he had a good motor-tour of the neighbourhood on Monday, September 13, under the guidance of Mr. Cankriek, jun., of Cankriek's Dispensary. He found that all the factories hitherto owned by Germans have been taken over by English firms.

MR. L. B. ROWLAND, chemist and druggist, principal of L. Rowland & Co., chemists and druggists, Wrexham, who has accepted a unanimous invitation to become Mayor of the borough for the ensuing year, is the son of the late William Rowland, of Brooklands, Wrexham Fechan, Mayor of the borough in 1869. Mr. Rowland has been a member of the Town Council since 1903, and his services on the Council have been marked by broad-mindedness and impartiality. He is an ex-President of the Wrexham Traders' Association, is Vice-Chairman of the Borough Health Committee, in which capacity he has rendered splendid service, and is Speaker of the Wrexham Parliamentary Debating Society. He is a well-known Freemason, being Worshipful Master of the Square and Compass Lodge.

Observations and Reflections.

By Xrayser II.

Drug-Tariff Policy.

The Pharmaceutical Society has never acted more foolishly than in attempting to burke discussion of the new Drug Tariff; the fullest and most open discussion ought to have been welcomed, and in disallowing this as far as it can the Society shows its own unfitness for the position it occupies as the representative. I will not say of the trade, but of that portion of the trade for the benefit of which it is modestly announced that its official organ exists. The Council has decided that non-official members of the Society cannot discuss their own affairs without endangering them, and therefore "cannot be allowed" to do so until the Executive has spoken. The action of the Society must not be hampered by opinions good or bad, or even, as I gather, by facts contributed by the mere rank-and-file.

The Individual Pharmacist

may, I suppose, form an opinion for himself, but he must keep it to himself; neither by word nor by action apparently must he try to influence others; and the inference is that if he is wise he will dismiss the whole business from his mind until he is told what his attitude ought to be. This does not seem to be the opinion of your own readers on either side of the Tweed, and that the Society should hold it argues not only grave distrust of the wisdom of pharmacists generally, but blindness to the very principles on which the Society is founded. Ostensibly it is not an oligarchy but a democracy, and free discussion is the first requisite of real democratic government. To be afraid of giving publicity to personal opinions is simply childish; personal opinions will not decide the action of the Society, but they may be valuable guides to a decision, and I venture to say that, whatever data unknown to the rest of us our representatives on the Departmental Committee may have had access to, some of the letters you have published are extremely valuable contributions to the consideration of the crisis now before us.

Fixing Minimum Quantities

of things to be sold, which Mr. Douglas advocated in a recent letter, is worth considering. To sell minute quantities when it is not really necessary to do so is as bad policy as to allow oneself to be beaten down in price, but circumstances must be taken into account in deciding in what quantities it is necessary to sell, and circumstances vary almost infinitely. If my customer is unable to afford twopennyworth of caustic I do not see why I should not oblige him with half the quantity. Human feeling comes in here, and I would rather give him twopennyworth for a penny than send him away empty. "O my bleeding country!" said an Irish friend of mine when asked by a compatriot with a broken head for a ha'porth of sticking-plaster. "Here, give us your ha'penny!" and surely this was better than to refuse it. Mr. Douglas should read Kingsley's "Two Years Ago."

The Abolition of the Halfpenny Stamp

is one of the most retrograde steps that any English Government has ever taken, and that it should be taken at a time when we are assured that our very existence as an independent people depends mainly on our productive industry is truly amazing. If there is one fact respecting business that everybody is agreed upon it is that advertisement is its directing soul, and cheap communication is absolutely necessary to effective advertisement. Enough has been said of the injury to particular trades, and probably our own trade will not be among the chief sufferers; what is of more importance is that all trade will suffer. One of the meanings of the word "trade" is mutual communication, intercourse; "commerce," too, has the same connotation, and the fact is significant; trade in the narrower sense depends on freedom of communication. There is no doubt at all that to make the means of com-

munication between buyer and seller dearer would seriously cripple business. The probability is that the proposed abolition of the halfpenny stamp would result in a direct loss to the Revenue; it is certain that it would do so indirectly, and would, by checking the demand for goods, lessen both the actual and the potential wealth of the country.

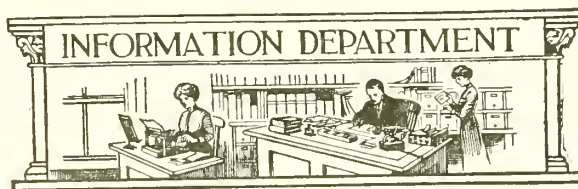
Wills.

THE late Edward Machon, dental surgeon and chemist, left estate valued at 3,829*l.* 15*s.* 6*d.* gross.

THE late John Manning Watts, of Battley & Watts, 18 Wellclose Square, E.C., left estate of the gross value of 1,231*l.* 18*s.* 2*d.*

MR. ARNOLD BAISS, director of Baiss Bros. & Stevenson, Ltd., Grange Road, Bermondsey, left property of the gross value of 14,670*l.* 4*s.* 6*d.*

THE late John Lever Tillotson, managing director of Lever Bros., Ltd., Port Sunlight, left property which for the purpose of probate has been sworn at 216,721*l.* 17*s.* 5*d.*, including net personalty 197,784*l.* 13*s.* 5*d.*



Postal Address:

C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London. E.C.
Telegraphic Address: "CHEMICUS, CANNON, LONDON" (two words).
Telephone Number: 3517 CENTRAL (three lines).

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us as above:

- | | |
|---|---|
| 246/4. "Bloomall" skin or toilet soap. | 246/31. "Urotone," safety |
| 246/63. Dr. Dewar's "Morning Salts." | 248/69. "Dayfield" jackets for soldiers. |
| 247/56. "Ura-Solvent" or "Uro-Solvent." | 242/30. Stevens' "Silicon" polish. |
| 247/53. "Senveco," concentrated meat extract. | 250/2. "Attolax," described as a "frothy, blanchange-like jelly of petroleum liquid." |
| 252/11. Warren & Strange (handage makers): address. | 239/69. Importers of Japanese Eurotium oryzae ("rice yeast"). |
| 248/59. "Bellsams Tablets (Bell & Co.)." | 250/55. Bigondis Louise hair-curlers. |
| 251/48. Crepe Tail-t-paper in rolls, No. 89 mill. | |

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.:

- | | |
|--|--|
| "Blue Cross" mange remedy, 237/36 | Newsholme's Gluten bread, 240/21 |
| "Blue Finch" brand eucalyptus oil, 241/50 | Nickel-plated toilet articles, 237/500 |
| Boric acid, 239/422 | Peptone (Siccum), 241/600 |
| Bosisto, J., & Co.'s eucalyptus oil: agents, 235/19 | Portable disinfectors, 240/30 |
| Cardboard containers with tin top and bottom, 251/25 | Pynozone soap, 237/36 |
| Celluloid toilet articles, 237/50 | "Pyxol," 234/36 |
| Collapsible tubes (American), 243/70 | "Radiol," 238/5 |
| "Curasol" foot-socks, 235/37 and 240/4 | Rubber corks, 234/16 |
| Electric batteries for medical purposes, 235/40 | "Sanagen," 234/28 |
| "Five Barks" jubes, 238/57 | Shaving-brushes, 239/42 |
| Gillette safety-razor blades, 236/9 | Shaving-soap, 239/421 |
| Indigestion lozenges, marked "M," 239/47 | Sprinkler corks, 230/11 |
| Loofahs with soap in the centre, 235/57 | "Sourmax," 235/73 |
| Malt extract in powder, 241/60 | Steel cylinders for oxygen, 231/11 |
| Metal mirrors, 240/52 | Stick phosphorus, 232/47 |
| "Neurone," 239/27 | "Tatcho," 234/27 |
| | Tooth-brushes, 239/420 |
| | Tooth-powder manufacturers, 239/423 |
| | "Typhoo Tips" tea, 231/27 |
| | "Velox" disinfectant, 234/15 |
| | "Veracolate" tablets, 232/4 |



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"Sanitas" Fluid, Fluid No. 2, Powder and Soaps.
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 "Bactox," "Okol," "Creocide," "Soldis," "Pinos,"
 Kingzett's Patent Sulphur Fumigating Candles.
 "Sulphugators" and "Formic Sulphugators."
 "Formic Fumigators" and "Formitas Outfits."
 Kingzett's Patent Drain Testers.
 Kingzett's Patent Preserved Peroxide of Hydrogen.
 Carbolic Fluids, Powders and Soaps.

Literature free on application.

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BRITISH ABSOLUTE ALCOHOL.

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Pure Caffeine P.B.

or reasonable fractions of it.

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 ELEMENTARY DISPENSING PRACTICE. 3/6, by Post 3/9.
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 GUIDE TO PRELIMINARY EXAMINATIONS. 2/6 by Post 2/9.
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 OPENING A PHARMACY. (3rd Edition.) 2/6, by Post 2/9.
 CHEMIST'S DICTIONARY OF SYNONYMS. 2/6 net, by Post 2/8.
 PROVINCIAL HOSPITAL PHARMACOPŒIAS. 2/6, by Post 2/8.
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Index Folio 496

FLETCHERS' FOR TINCTURES, INFUSIONS,
AND SYRUPS.

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London & Sydney.

LIQUORS

Editorial Articles.

Glycerin Controlled.

In our issue of August 21, p. 54, we reported that the British Government had issued a circular temporarily stopping all deliveries of glycerin in this country; since then further developments have occurred, with the result that the Government has taken over the control of all glycerin produced in home factories. Several consultations between the manufacturers and Government have been held, and regulations have been drawn up showing the conditions upon which the output in the United Kingdom will be dealt with. These conditions have been framed so as to interfere with the glycerin-trade as little as is compatible with national requirements. The Government have evidently made a good bargain with the producers, the standard prices which they intend to pay having been fixed at 59l. 10s. per ton net and naked for 80-per-cent. crude, 67l. for saponification glycerin and similar qualities, and 87l. for the dynamite quality. The regulations issued by the Ministry of Munitions provide that the producers of unrefined glycerin of any quality are required to send in monthly returns of their total stocks, commencing October 1, 1915. The returns will include glycerin in stock which will not be required by the producer to supplement his monthly output in executing sale contracts entered into prior to August 5, 1915, this being regarded as surplus stock. The returns are also to show the amount of each quality estimated to be available for delivery to the Government at the end of each month from September 30, 1915, to February 29, 1916, on the basis of the estimated monthly output, but after allowing for deliveries under the existing sale contracts and any subsequent contracts with regular customers for glycerin for the home trade. The surplus stocks shown on the returns are to be regarded as being deliverable to the Government in ten equal monthly instalments spread over the ten months ensuing from September 1, 1915. Other regulations relate to payment, testing, standards of glycerin, storage capacity, refining plant and future deliveries. The effect of the new regulation is that *no deliveries either under an existing sale contract, or of surplus stock, or of monthly output, shall be made without the express licence of the Government.* Moreover, licences to deliver must be applied for not later than the twentieth day of every month, and will only be granted for deliveries during the succeeding month. In applying for these licences it will be necessary to state the purposes for which the glycerin is to be used, whether for (1) medical purposes, (2) foodstuffs and drinks, (3) printers and gelatiners, (4) tobacco, (5) textile and leather, (6) paints and paper, (7) sundries. The number of trades using glycerin, judging by this list, is evidently a growing one, thirty-two industries being indicated under the heading of "sundries" alone. As regards export trade no shipment of either crude or refined glycerin, whether to any Allied Government or other buyer outside the United Kingdom, is permitted, except with the express licence of the

Government, to be obtained in the usual manner through the War Trade Department. On this point our information is to the effect that only under exceptional circumstances is glycerin allowed to be exported, the bulk of such shipments being for the Allies for the purpose of making explosives. About 160,000 cwt. (94,000 cwt. crude and 65,600 cwt. refined) was shipped during the eight months ended August. It is yet too early to express any opinion as to what effect the Government requisition of stocks will have on the drug-trade. The position is that the Government can take an unlimited amount of glycerin; but the desire, as already stated, is to interfere with trade as little as possible. At the same time there are likely to be unusual delays and difficulties in obtaining deliveries from producers who are working under abnormal conditions. As far as is compatible the endeavour will be to deal with customers equitably in the matter of contracts, but the quantities will no doubt be reduced to a minimum, and much patience will have to be exercised by consumers, who may be prone to put the blame on makers. We do not think there is likely to be any scarcity this winter, but much depends upon the duration of the war, and it is no doubt a wise step on the part of the Ministry of Munitions to conserve the stocks. It is exactly a year since the German War Department put restrictions upon the use of glycerin in Germany, but, happily, our imports of raw materials are keeping up, whereas theirs have gone down enormously. Consumers' requirements must be subordinated to national requirements, and all the producers are doing their best to increase their output so that the maximum quantities shall be at the disposal of the Government. The authorities, however, reserve the right to adopt such measures as they think fit, in consultation with makers, to reduce the use of glycerin for other than national purposes. Consumers need not be alarmed at the intervention of the Government, but at the same time they will have to pay more. As a precautionary measure the British producers on Friday last (October 1) raised their prices by 10% per ton to a basis price of 110% in 10-cwt. drums, and 114% for double-distilled s.g. 1.260 in tins and cases on five-ton contracts. Although the war has been in progress fourteen months, it cannot be said that the British glycerin-makers have taken any undue advantage of the situation, as until the above advance there had only been one of 5% per ton in August 1914. This fact is somewhat surprising considering that the demand for glycerin for explosive-purposes must have been unprecedented, and the inference is that the production will be able to keep pace with the demand. Probably the fact that glycerin could not be exported freely has kept the price down. It is interesting to note that the price of glycerin in the United States is equivalent to 125% per ton in drums, the scarcity owing to the unprecedented demand having become acute. We have not attained this level yet.

Hospital Spirits.

We reported last week (p. 44) that the Chancellor of the Exchequer had stated in the House of Commons that he will at the earliest opportunity submit a vote in supply giving hospitals relief as regards spirit-duty. It will be remembered that when the Finance Bill of last Session was going through the House Mr. Bridgeman, a Junior Lord of the Treasury in the Coalition Government, persuaded Mr. McKenna to father a clause authorising the use of duty-free spirits in hospitals for

the preparation of tinctures, etc. The terms of the clause will be found in the *C. & D.* June 19, p. 47. It did not take much medical and pharmaceutical protest and reasoning to convince the Revenue authorities that the proposal was not only unworkable, but fiscally dangerous. Mr. Bridgeman, Dr. Cox, Secretary of the British Medical Association, and Mr. Uglow Woolcock, Secretary of the Pharmaceutical Society, have since put their heads together and have come to an agreement on the subject, which the Chancellor is to give effect to in the following clause:

(1) If the treasurer or other responsible officer of a public hospital shows to the satisfaction of the Treasury that any tinctures or other articles which contain spirits or in the preparation or manufacture of which spirits are used have within the twelve months preceding the thirty-first day of July nineteen hundred and fifteen been consumed for medical purposes in the hospital, the Treasury may, subject to such conditions and regulations as they may prescribe, pay to the treasurer or officer out of moneys provided by Parliament an allowance equal to the amount which is shown to their satisfaction to have been paid by way of duty in respect of the spirits contained in or used in the preparation or manufacture of those articles.

(2) The Treasury shall constitute an advisory committee for the purposes of this section, and may refer to the committee any application for payment under this section or any question arising as to any such payment.

(3) If any person for the purpose of obtaining any payment under the foregoing provisions knowingly makes any false statement or false representation he shall be liable on summary conviction to imprisonment, with or without hard labour, for a term not exceeding six months.

(4) For the purposes of this section the expression "public hospital" means a hospital supported by any public authority or wholly or partly out of any public or charitable funds or by voluntary contributions, but does not include any institution carried on for the purposes of gain.

We reprint this from the "British Medical Journal."

We presume the clause is for the coming Finance Bill, but our contemporary does not say so; in fact, it may be expedient for us to say simply that what we quoted is the basis of the agreement whereby hospitals are to get from public funds substantial annual contributions, besides the institution of a magnificent precedent for rebate of all national taxation paid by hospitals. We expect that members of the House of Commons will have something to say on that new principle.

Insurance Medical Benefit.

We learn that the discussion at the last meeting of the London Insurance Committee on the condition of the Medical Benefit and Sanatorium Funds was merely the commencement of a big campaign in regard to the whole arrangements with doctors, and how their demands have led to comparative failure in the administration of these benefits.

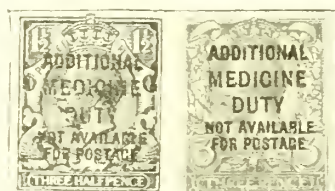
The Hanbury Medallist.

THE HANBURY MEDAL is a memorial of a pharmacognosist whose work and influence on British pharmacy are still felt. It is forty years since Daniel Hanbury died, and four-and-thirty years since the first Hanbury medal was awarded to his co-worker, Flückiger, "for high excellence in the prosecution of original research in the chemistry and natural history of drugs." Since then seventeen medals have been awarded, and we venture to say that none has been more fittingly bestowed as regards the botanical side of *materia medica* than this year's one to Mr. E. M. Holmes, Curator of the Pharmaceutical Society's museums. In that capacity he has brought together and systematically arranged a collection of *materia medica* which is the finest in the British Empire. But he has done a better thing than that by assiduously studying the sources of drugs and

contributing the results to pharmaceutical literature. The general indexes of the "Year-book of Pharmacy," covering forty years of his work at Bloomsbury Square, contain four columns of titles under his name, representing 128 papers, this being part only of his contributions. Many of them are just those subjects which Daniel Hanbury loved to investigate. Mr. Holmes's name is associated with the introduction or first accurate knowledge of Japanese belladonna (*Scopola japonica*), jaborandi, strophanthus, coca-leaves, tonga, and *Rhamnus Purshianus*, to name only half-a-dozen familiar drugs which were either little known or unknown when he went to the Square. He has made this field of investigation so peculiarly his own, and has been so free in sharing his knowledge with those who need it, that too few British pharmacists make a hobby of the subject as Hanbury did, but there has grown during the four decades that Mr. Holmes has been at the Square a monument of gratitude to him in the hearts of those who have benefited by his knowledge.

New Medicine-stamps.

By arrangement with the Postal Authorities the Commissioners of Customs and Excise have issued for the purposes of the additional duty on proprietary and other dutiable medicines 1½d. and 3d. postage-stamps with the words, "Additional Medicine Duty. Not available for postage," printed upon them in the manner shown in this reproduction:



The stamps were obtainable at Somerset House on Wednesday. No other denominations are to be issued in the meantime, the demand necessarily being greatest for articles which sell at present at 1s. 1½d. and 2s. 9d., the proportions of which are about 35 and 8 to 1 of the 4s. 6d. size. The provision of the surcharged stamps is ample, so that there will be no excuse for any vendor not using the additional stamps on and after October 20. In the meantime wholesale houses are having all their stocks stamped, and manufacturers also are making ready for the 20th. The surcharged stamps have a certain philatelic value, and may be the means of a change in the medicine-stamp; but it must not be forgotten that there is a big accumulation of experience to the effect that alteration in the stamp or manner of stamping is detrimental to sales.

Don'ts for Pharmacists.

MR. W. JOHNSTON, Secretary of the Chemists' Defence Association, communicates to the "Anti-cutting Record" the following don'ts compiled from his experience of claims arising from accidents. The collection is intended for members of that Association, but it should be generally useful:

Don't keep carbolic acid and carbolic oil on the same shelf.

Don't keep liquor ammoniæ and liquor calcis together.

Don't keep cocaine hydrochloride or morphine hydrochloride on the same shelf or in the same shaped bottle.

Don't put away a bottle without again reading the label to make sure you have got the right article.

Don't talk while you are dispensing.

Don't alter a prescription without the doctor's or patient's consent.

Don't sell mercury and nitric acid in the same bottle.

Don't sell camphorated oil in cups, and don't sell it in bottles with greasy labels on.

Don't be too ready to undertake minor surgery.

Don't, as a rule, admit an error to a customer.

Don't delay reporting errors, real or imaginary, to the Association.

Don't sell other qualities of B.P. drugs than those prescribed in the Pharmacopœia.

Don't prepare your camphorated oil by heating, and don't keep it in bottles with loosely fitting caps.

Don't sell carbolic oil in a wet bottle.

Don't sell as grey powder any mixture of grey powder with something else.

Don't make or buy more perishable drugs than you can sell while they remain good.

Don't fail to get warranties with all drugs.

Don't forget to counterpoise the scale-pans when weighing quinine and the like.

Don't trust to writing reference numbers on labels of known, admitted, and approved remedies.

Don't use strip labels that look like patent-medicine stamps on dutiable articles.

Don't try to sail too close to the wind in "Shops Act Bay."

Trade-Marks.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with the Registrar of Trade-Marks, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C. The prescribed time is one month from the date of the Journal in which the application has appeared; but the period may be enlarged by the Registrar, if he thinks fit, and upon such terms as he may direct. Formal opposition should not be lodged until after notice has been given by letter to the applicant for registration, so as to afford him an opportunity of withdrawing his mark before the expense of preparing the notice of opposition is incurred. Failing such notice to the applicant, an opponent may not obtain an order for costs.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1915, p. 435.

(From the "Trade-marks Journal," September 22, 1915.)

Device including lady using mirror, and words "PERANZA ELITE TOILET-SPECIALITIES" ("Elite" disclaimed): for perfumery (48). By Peranza Co., 83-85 Farringdon Street, E.C. 368,273.

"FADOZA" and "FADOZETTES" in facsimile writing: for toilet-preparations (48). By Bernadette Chalout (Clément, 6 Addison Mansions, Blythe Road, West Kensington, W. 368,786 (Associated), 368,958.

"MADELON": for perfumery (48). By F. W. Crossley-Holland, 55 Glasslyn Road, Crouch End, N. 368,884.

Device of chess-board and chess-men, with word "CHESS": for perfumery (48). By C. C. Goodwin & Son, Manchester. 368,993.

"LUMINAL": for polishes (50). By G. H. Burlend, 9 St. John's Road, Clifton, Bristol. 368,249.

"DUT": for a polish and cleanser (50). By C. A. F. Cresswell, 35 Piccadilly, W. 368,537.

"GALLITE": for goods (50). By Sidney Freedman, 192 Sutherland Avenue, Maida Vale, W. 368,802.

"WAVELET": for brushes (50). By R. J. Reuter, 69 Carter Lane, E.C. 368,905.

(From the "Trade-marks Journal," September 29, 1915.)

"WHIZ": for chemicals (2). By J. Paterson & Co., 16 Henrietta Street, Glasgow. 368,563. (Associated.)

"HADENCBREX": for a corn-cure (3). By Sarah E. Jackson, Maycraft, Long Lane, Halesowen, Birmingham. 368,779.

"PEFFELOPE": for medicinal chemicals (3), paper (39), and perfumery, etc. (48). By John Bell, Hills & Lucas, Ltd., Tower Bridge Road, S.E. 369,046/7/8.

"ANZAC": for goods (37), perfumery, etc. (48), and for hair-brushes and combs (50). By Watts Bros., 43 High Street, Manchester. 368,837/8/9.

"CHICALA": for all goods (42). By the Old Calabar Biscuit Co., 28 Chapel Street, Liverpool. 367,553.

"MELCOM": for goods (42). By W. J. Melhuish, Highwood House, Upper Parkstone, Dorset. 368,507. (Associated.)

Pharmaceutical Society of Great Britain.

Council-meeting.

THE Council met at 16 Bloomsbury Square, London, W.C., on Wednesday, October 6, at 11 A.M. There was a full attendance of Councillors. Two items of business were prominent, viz., a reference to the Benevolent Fund Committee about the election of annuitants, a view being expressed that a ballot should be avoided. The report of the Parliamentary and General Purposes Committee included one by the Parliamentary Secretary (Mr. W. S. Glyn-Jones, M.P.) of an interview which he had had with the Under-Secretary of State for War regarding the position of pharmacists in the Royal Army Medical Corps. The arrangements by the Local Associations' Executive Committee for the forthcoming Conference in London were presented and adopted. None but delegates are to be admitted.

THE Councillors present were Mr. Edmund White (President), Mr. E. T. Neathercoat (Vice-President), Mr. W. H. Gibson (Treasurer), and Messrs. F. E. Bilson, A. S. Campkin, J. H. Cuff, W. L. Currie, F. J. Gibson, R. L. Gifford, J. P. Gilmour, W. Gowen Cross, A. Hagon, J. F. Harrington, J. Harrison, J. Keall, L. M. Parry, F. A. Rogers, P. F. Rowsell, F. P. Sargeant, T. A. White, and J. R. Young.

THE PRESIDENT welcomed the members after the vacation and commented on the strenuous winter's work that awaits them. He referred sympathetically to the death of Dr. Louis Planchon, who had been a corresponding member of the Society since 1906.

ELECTIONS AND REGISTRATIONS.

The Council then elected several members and student-associates, while the names of nine persons were restored to the register.

THE REGISTRAR (Mr. Uglow Woolcock) intimated that since the August meeting he had registered 122 persons as apprentices or students. This number is larger than at the corresponding period of 1914.

THE CORRESPONDENCE

submitted included a copy of a despatch from the Privy Council Office relating to the sale of patent medicines at Guatemala. Another communication was received from the Privy Council Office intimating that Dr. A. P. Luff had been appointed Government visitor to the Society's examinations in London during the temporary absence of Dr. Wilcox on active service. The President stated that Dr. Luff had been present at the October meeting of the Board of Examiners. A letter from the Agricultural Organisation Society about the cultivation of medicinal plants was referred to Mr. E. M. Holmes to consider and report. The Pharmacy Board of Victoria wrote expressing gratification at the Council's assurance that there is no likelihood that there will be any change in the standard of qualification of persons admitted to the British register. Lieutenant R. A. Chell (Bell Scholar, 1914) wrote intimating that he would be unable to enter the School of Pharmacy at the opening of the session to take up his scholarship as he is still on active service. The Essex Association of Pharmacists forwarded a communication suggesting that the register of chemists should be so framed as to give more information than at present and to indicate whether a person whose name appears therein is in business or is an assistant. The Secretary stated that there is a difficulty in that the 1868 Act prescribes the form of the register. The matter was referred to the Law Committee. Mr. R. W. Bowles, Ph.C., demonstrator in the School of Pharmacy, wrote resigning his position, as it is his intention to join the Army. The resignation was accepted.

FINANCE.

MR. W. H. GIBSON (Treasurer), moved the adoption of the report of the Finance Committee, of which the following is an abstract:

The receipts on the General Fund amounted to 1,772*l.* 1*s.* 3*d.*, made up of penalties and costs, 196*l.* 2*s.* 3*d.*;

"Journal" and publications, 133*l.* 15*s.*; subscriptions, 215*l.* 15*s.*; restoration-fees, 2*l.* 2*s.*; examination-fees, 759*l.* 5*s.*; rent and insurance, 52*l.* 6*s.* 9*d.*; election of Pharmaceutical Committees, 28*l.* 11*s.* 10*d.*; ground-rents, 21*l.* 17*s.* 6*d.*; and dividends, 102*l.* 7*s.* 11*d.*, making, after deducting the payments authorised by the Council at the last meeting and adding the balance at the last Committee-meeting (821*l.* 7*s.* 3*d.*), a balance in hand of 100*l.* 15*s.* 4*d.*. The amounts recommended for payment were as follows: "Journal" and publications, 447*l.* 17*s.* 2*d.*; stationery, etc., 83*l.* 13*s.* 10*d.*; current expenses, 750*l.*; salaries, etc., 233*l.* 6*s.* 8*d.*; School and examinations, 80*l.* 12*s.* 6*d.*; law and professional charges, 39*l.* 19*s.* 6*d.*; rent, 205*l.*; library, 3*l.* 11*s.* 11*d.*; and conversion of War Loan, 150*l.*—a total of 2,044*l.* 1*s.* 7*d.*

The report was adopted, and resolutions were passed authorising payments to the Bell Scholars and the C. J. Hewlett Exhibitioner.

BENEVOLENT FUND.

MR. F. A. ROGERS moved the adoption of the Benevolent Fund Committee's report, which recommended grants amounting to 113*l.* to six applicants. He announced that it was proposed to elect ten annuitants in December and the names of thirteen approved candidates had been selected. The first portion of the report relating to grants was adopted, and the latter portion referring to the election of annuitants was referred back to the Committee for reconsideration with a view to avoiding a ballot during the present period of national stress.

MILITARY PHARMACISTS.

The report of the Parliamentary and General Purposes Committee included a report from the Parliamentary Secretary (Mr. W. S. Glyn-Jones, M.P.) to the effect that Mr. Woolcock and he had had an interview with Mr. H. J. Tennant, M.P., Under Secretary of State for War, at which typical letters and suggestions for the improvement of the Pharmaceutical Service in the Army were placed before Mr. Tennant. Subsequent to the interview the Parliamentary Secretary received a letter from Mr. Tennant stating that he had had the matter very carefully inquired into and had been unable to find confirmation of wastage. The question of promotion was one which they must leave to the discretion of the commanding officers. The non-commissioned officers of the field ambulances are chosen by the commanding officers, as in all other corps, for their general fitness to exercise command, to maintain discipline, and so forth. There are no compounders of medicine in field ambulances, and if a compounder is not selected for promotion it is because there are men in the field ambulance more fitted to carry out the duties of a N.C.O. A compounder who enlists in the artillery need not expect to be made a sergeant unless he is fitted in every respect to carry out the duties of the rank, and the position in a field ambulance is the same.

The Committee expressed the opinion that the letter indicated that the War Office do not require a further supply of qualified men to act as pharmacists. They recommended that pharmacists be advised of this fact, and that they be requested to furnish the Society with any facts bearing on Mr. Tennant's letter which would be useful in any further step which the Council may take in the matter.

SPIRIT FOR HOSPITALS.

The Parliamentary Secretary reported on the action taken in regard to the proposed grant to public hospitals in respect of the duty on spirit used in the preparation of medicines. The Committee approved of his action.

The Committee suggested, as a Sub-Committee to consider the names of suitable persons for the Board of Examiners for England and Wales, the President, Vice-President, and Messrs. Harrington and Young.

DRUG-TARIFF CONFERENCE.

A report of the meeting of the Local Association's Executive Committee, held on October 5, was recommended to be adopted by the Council. The essential part of the report is subjoined:

The arrangements for the Conference in London on October 20 and 21. A full agenda was submitted for

detailed consideration. The arrangements were approved, and the agenda as approved was directed to be sent to the Associations. The Committee considered the report of the Departmental Committee on the Drug Tariff which is to be considered by the Conference.

The Committee expressed approval of the general principles laid down in the recommendations of the Departmental Committee, but deemed it necessary to make the following suggestions in the form of motions on the agenda of the Local Associations' Conference for discussion by the delegates:

(a) That this Conference is of opinion that any tariff to be accepted by pharmacists must provide adequate remuneration for the professional skill required in dispensing Insurance prescriptions and must ensure prompt and regular payment of the pharmacists' accounts in full.

(b) That the system of discounting, leading in many cases to inadequate payment and in all cases to delay, must be abolished.

(c) That the report of the Departmental Committee, in so far as it provides for the abolition of discounting, be adopted.

(d) That the principle of charging drugs at cost price be adopted, provided adequate remuneration can be obtained by appropriate dispensing fees.

(e) That this Conference considers the proposed dispensing fees to be inadequate, particularly that portion devoted to the payment of establishment charges, and declines to recommend their acceptance unless the Commissioners can satisfy a committee to be appointed by the Conference that they are adequate.

The Executive Committee also considered a letter from the Commissioners, in reply to representations made by the Committee, stating that if the rate of enlistments is proved to be underestimated in any area, the Commissioners will be prepared to consider the matter with a view to departure from the usual procedure.

The Parliamentary and General Purposes Sub-Committee recommended acceptance of this report.

EVENING MEETINGS.

The Committee also reported consideration of the advisability of discontinuing the evening meetings of the Society during the war, and recommended that these meetings be not held during the coming winter.

DIVIDING THE MINOR.

The Committee also considered a report from the Board of Examiners for England and Wales stating that the Board had considered the letter from the Board of Examiners for Scotland regarding the division of the Minor examination, and resolved that the present time is not opportune for dealing with this matter, and recommending the Council to postpone its consideration. The Committee recommended that the Council accept the report of the Board of Examiners and do not proceed with the matter at the moment. The report was adopted.

HERBARIUM COMPETITION.

Mr. E. M. Holmes reported on the Herbarium Competition, and this concluded the public business.

Opening of the Session.

The seventy-fourth session of the School of Pharmacy was inaugurated on Wednesday afternoon at 17 Bloomsbury Square, W.C. Mr. Edmund White presided, and was supported on the right by Sir Rickman Godlee, Bart., the Vice-President, and professors. The Deputy-Registrar (Mr. H. Moon) acted as Clerk, the Secretary being otherwise engaged. The lecture-hall was filled, half of the assembly being ladies. In the audience (apart from Councillors and Examiners) were Sir W. A. Tilden, Mr. Richard Bremridge, Mr. F. Harwood Lescher, Mr. Donald Mackenzie, Mr. J. C. Umney, Mr. E. H. Farr, and Mr. Wretts, besides other metropolitan pharmacists and a number of Kent chemists. The Chairman having briefly opened the proceedings, the DEAN of the School (Professor Greenish) proceeded to report on

THE WORK OF THE PAST SESSION.

He said that notwithstanding influences that had led intending students to cancel their application for admission there had been seventy-three students in the school, or exactly the same number as in 1911, 1912, and 1913, and only one less than in 1914. Of these fifty-six had

entered for complete courses of instruction and seventeen for separate courses or for part of a complete course. Sixty students had presented themselves for examination and fifty-five of them had satisfied the examiners. As to the prospects of the coming session the number of entries had been less than for the average of the last few years; many who would otherwise have attended had offered their services to their country, so that the total number of entrants was only thirty-six, of which number thirty-three had entered for the complete courses. For the first time in the history of the school the number of women students was exactly equal to that of the men students.

The various prize-winners were then called up, but many of the young men were not present, in most cases because they were "serving with the Colours," as the President put it, and this proved to be one of the most touching incidents of the meeting. The names have already been published in the *C. & D.* In each course a lady obtained most honours, viz., Miss Dora F. White (Major) and Miss Ella Caird (Minor).

THE HERBARIUM COMPETITION.

Mr. E. M. Holmes then reported on this. He said that only one Herbarium had been sent in this year, and that was from a lady who had sent in one last year and had obtained a certificate. Apparently she wished to obtain a higher honour and had sent in the present one, for which he had been able to recommend a bronze medal. This was Miss Vera M. Lord, who had just passed the Minor, and she came forward to receive the Herbarium Medal.

THE COUNCIL PRIZES.

Three Edinburgh Examiners reported on the examinations for these prizes, which were awarded as follows: Pereira Medal, Miss D. M. White; Silver Medal, Arthur J. Somer; and Bronze Medal, R. W. Bowles.

THE JACOB BELL SCHOLARSHIP EXAMINATION

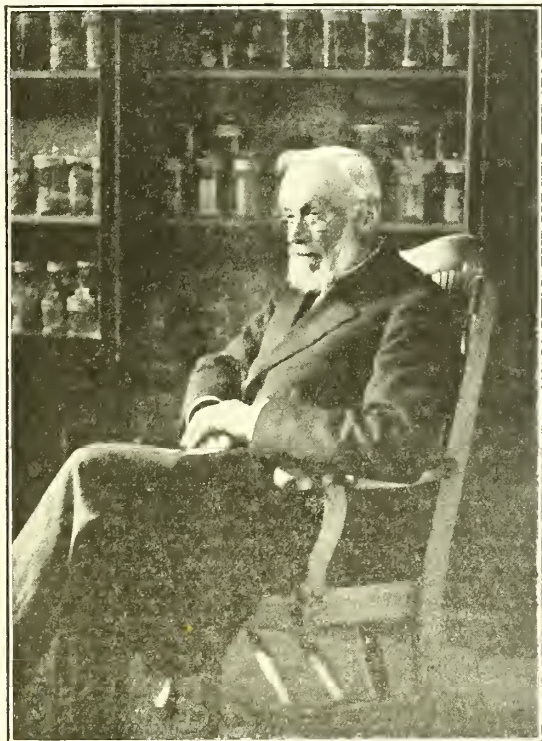
was then reported on, in the absence of Mr. Gulliver, by the Deputy Registrar. The winners were Dorothy Alice Bills (Stourbridge) and David Page (Leicester). The President presented them with sets of books provided from the Hyde Hills fund.

THE HANBURY GOLD MEDAL.

The PRESIDENT said that this medal had been founded to perpetuate the name of Daniel Hanbury, who had been a worker in the field of vegetable drugs, and the award was chiefly for work done in connection with the chemistry and natural history of drugs. He thought the award that had been made this year would be very popular as well as being just. It was to Mr. Holmes. He did not attempt to tell all that Mr. Holmes had done in the subject which he had made his own. As Curator they all knew him, but he (the Chairman) knew him personally as a simple-minded gentleman—association with plants and animals often appealed to the type of man that Mr. Holmes is, and Mr. Holmes is a simple-minded gentleman in addition to being a pharmacognosist of the first order. The name of Daniel Hanbury would always be associated with the subject that Mr. Holmes had made his own, and Mr. Holmes himself would feel that the granting of this medal was the highest honour that could be conferred upon him by the Society. As one of his old pupils, he would ask Mr. Holmes to accept the medal, and with it a cheque for fifty pounds, given by the late Sir Thomas Hanbury, which would perhaps be useful to Mrs. Holmes. (Laughter and applause.)

Mr. E. M. HOLMES said he need hardly say how great a pleasure it was to receive the Hanbury medal, the highest honour that the Society had in its power to bestow, a medal which it must be the ambition of every scientific pharmacist to obtain. Rather more than half-a-century ago, as a student, he had missed the Pereira medal by one mark; the winner had thirty-nine marks, and he had only thirty-eight. The present occasion seemed to make up for the disappointment of those days. The pleasure, and he might add the surprise, was all the greater because he had no reason to expect the medal, knowing that an unwritten law existed that it should not be

awarded to an officer of the Society lest the distinction should seem invidious. This feeling was so strong that although he had been awarded the Flückiger medal eighteen years ago as a recognition of the contribution he had been able to make to the natural history of drugs, no Council had until now thought it desirable to waive the



MR. EDWARD MORELL HOLMES, F.L.S.
(Curator of the Pharmaceutical Society's Museum).

While an apprentice with Mr. S. S. Hayward, chemist, Chelsea, he walked to the Square School in the mornings for Bentley's lectures in botany and materia medica, and Redwood's in chemistry and pharmacy; was awarded certificates in both at the end of the 1860 session, and passed the Minor examination then with two years' apprenticeship and sixteen years behind him. Went as an improver to Mr. T. Vicary, Plymouth, and while with him collected a herbarium of British plants, for which he got the Society's bronze medal (1863). Returning to London he was assistant successively to Alsop & Quiller, Sloane Square, and Mr. G. Yarde, Lamb's Conduit Street. While with the latter passed the Major examination in May 1864. Went back to Plymouth, and, after a short time with Mr. Vicary, started business on his own account at 2 Arundel Crescent there, and married. After six years sold the business and came to Wright, Sellar & Layman, London, as head of their perfumery department, but in three months left this to become Curator of the Museum, to which he had been appointed in November 1872, succeeding Mr. Collins. He systematised the museum and compiled a catalogue of it which was published in 1878, and later compiled a catalogue of the Hanbury Herbarium. Is at present the foremost British authority on materia medica, and his name is known by experts on the subject in all countries. He received the Flückiger gold medal in 1897, now the Hanbury gold medal is bestowed on him, and would have been given earlier had his position not been that of an officer of the Society. He was President of the British Pharmaceutical Conference in 1900, on which occasion we printed a long appreciation of his work as a botanist. Our portrait shows Mr. Holmes seated in front of Hanbury's materia medica collection; it is from a photograph taken by Mr. H. H. Featherstone, of Wright, Layman & Umney, Ltd., and we are indebted for the print to Mr. John C. Umney, F.C.S.

rule. Mr. Holmes then expressed thanks for many kind congratulations, and mentioned that he had the privilege in the early years of his curatorship, from 1872 to 1875, to make the personal acquaintance of Mr. Daniel Hanbury, to whose accomplishments he referred, speaking particularly of his work with Flückiger on *Pareira Brava*.

The President then called upon Sir RICKMAN J. GODLEE, Bart., to deliver

The Inaugural Sessional Address.

[Here follows the text of the manuscript from which Sir Rickman read; he did not, however, confine himself to the text, as he made additional remarks now and then, the more important of which we add as footnotes.]

When I had promised to say a few words to the students of the Pharmaceutical Society in October, I determined to think no more about it until after the end of my short holiday. But it was in vain. The idea began to haunt me in the grilling days of late August.

In the month of August, I need not tell you, wasps abound, and by a kindly provision of Nature, the more fruit there is, the more wasps are likely to be met with. Though I am a bit of a farmer and am learning to accept stoically all the vagaries of the seasons, I am not yet enough of a countryman to regard with equanimity the destruction of plums and apples, even if crops are good, and so I went to a chemist in the neighbouring country town for some cyanide of potassium. He took my word as to my identity, and accepted my prescription of 2 oz., but he told me he was allowed to sell any amount of this very dangerous drug to gardeners for this purpose, which rather surprised me.

I mention this small incident for two reasons. First, to remind you of one of the many tremendous responsibilities that rest upon the dispensing chemist, even in a country town. How could he tell that I was all right? The good man had complete confidence in his power to detect an impostor, and I dare say he was quite justified in his faith, though it must be remembered that it is possible for an honest man to be so afraid of being suspected that he blushes up to the roots of his hair at such a simple thing as changing a five-pound note. A man who is thinking of committing suicide is pretty sure to be nervous, but, after all, he does not matter so much. Poisoners, however, are notoriously callous, and they are people who are a danger to society.*

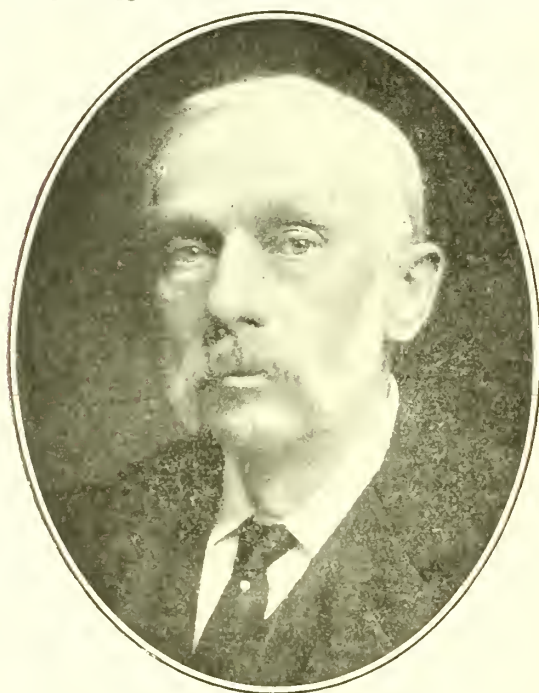
MEDICAL AND PHARMACEUTICAL RELATIONS.

But I have another reason for speaking about the cyanide of potassium. I told the chemist that I was, for the moment, an agriculturist, not a doctor; but he insisted on taking off the 2d. or 1d. "doctor's discount," saying that until he came south from Edinburgh he had never paid a doctor's fee, and I could see (for he was a delicate-looking fellow) that he must have had a good deal of medical assistance. Now, this illustrates the kindly relationship which exists between pharmaceutical chemists and doctors, and which I, for one, have always enjoyed. Yet, though it is very nice, I have never been quite sure that this expression of it is right. It means, of course, that the pharmaceutical chemist hopes that the doctors will get him to make up their prescriptions, and, if the doctors treat him gratis, it means that they hope that, when the chemist is asked who is the best man for so-and-so, or, if I may be forgiven for the jibe, when he is confronted with a case that baffles him, he will have no doubt who the best man really is. Some actions are said to be pleasant but wrong, and I am not sure that this giving and accepting of doctors' discounts does not fall under this category. I cannot help thinking of a certain fashionable undertaker, who used, before the days of motor-cars, to combine his mournful trade with the lighter one of jobbing broughams and horses, and it was said that he used to take the doctors on specially favourable terms on the chance of getting recommendations through them.

The pleasant relations of the medical student with the pharmacist begin at an early age, but while we sniffed up the fragrant aromas at the dispensary and enjoyed the fun of rolling pills and spreading plasters as long as the novelty lasted, we much resented being sat upon by the dispenser, who in my time was no less a man than the great Mr. Martindale, whose "Extra Pharmacopœia" is like a pocket prayer-book for doctors and

* Some of the most dangerous poisoners have been members of my profession.

druggists,* and who had no false modesty about doing his best to keep us in order. Many and many a bottle of medicine have I made up, and often have I marvelled at the ingenuity of the physicians in concocting their medical—or, rather, their pharmaceutical—blunderbusses, and wondered, even if they contained no obvious chemical incompatibles, what chance there was of the ingredients escaping incompatibles in their passage through that complicated and unexplored fermenting-vat, the human body. Dr. Ringer was our Professor of Therapeutics, and the confidence with which he spoke about the action of drugs staggered me. I do not know, but I should



(Photo. Elliott & Fry, Ltd.)

SIR RICKMAN J. GODLEE, BART., K.C.V.O.

(President of the Royal College of Surgeons, England.)

A distinguished surgeon, and nephew of the late Lord Lister. Was educated at University College, London, graduating as B.A. (Lond.) in 1867, and as M.B., B.S., in 1872, taking the gold medal with his surgery degree, a distinction which he repeated a year later when he graduated M.S. Became M.R.C.S. (Eng.) in 1872, and Fellow in 1876. Is the University College Emeritus Professor of Surgery, having long taught the subject there, as well as operative surgery, and been a surgeon to the hospital of the College, and to other Metropolitan hospitals. He is eminent as an authority on diseases of the lungs, especially those involving operative treatment. He is the Senior Honorary Surgeon-in-Ordinary to the King. Received a baronetcy in 1912, shortly after his election as President of the Royal College of Surgeons, and his K.C.V.O. in 1914.

like to know, whether physicians order such elaborate medicines now. Surgeons do not, unless it be some dear old friend of our youth that we cannot get away from.

THE DISPENSING CHEMIST'S RESPONSIBILITY.

It was in the dispensary that I was struck for the first time with the frightful responsibility which devolves upon the dispensing chemist, for the difficulty of avoiding mistakes seemed to me to be enormous. I am sure I made some myself, and once or twice in after-life I have been guilty of a slip in writing a prescription (having a poor memory for doses), and have been corrected, even over the telephone, by a kindly chemist. Remember that you must not dispense an overdose, however renowned the writer of the prescription may be, unless you have ascertained that he really means what he has written. For the dispensing chemist must

* Here Sir Rickman paused to remark that he had noticed in passing Lewis's that morning that the book is now in two volumes, and he quoted (with a twinkle in his eye) what was said on a showcard regarding the Extra Pharmacopœia.

be always as much on the alert as the operating surgeon with possible death flitting about the point of his knife. The wrong reading of a prescription, the taking down of the wrong bottle, may lead to equally disastrous and more distressing results than what is called a surgical catastrophe.

But if the difficulties of dispensing are great, they must be child's play as compared with those that confronted the ancient apothecary, for even the pharmaceutical blunderbuss was in my early days loaded with a much less promiscuous charge than in the time of our ancestors: they filled it literally with slugs and snails and puppy dogs' tails, and all sorts of unmentionable horrors. The simplification of prescriptions was due in part to the general advance of knowledge, in part to the obvious success of the minimal doses of the homœopathist. I do not here refer to the small doses of concentrated tinctures—and I may remind you in passing that Hahnemann, although he had strange notions, really started the science of pharmacology; but I mean the minute globules that were years ago all the vogue. It was like putting an ounce of Epsom salt into the Sea of Marmora and drinking a pint of the Mediterranean at Gibraltar. Lord Lister once swallowed a mixed handful of pilules without any effect good or bad. The lesson that the profession learnt was that, if people got well while taking these ineffective pilules, they would get well without any drugs at all, and therefore a large part of the drugs in use must be useless.

The Homœopathic system, Sir, just suits me to a tittle, It proves of physic, anyhow, one cannot get too little; If it be good in all complaints to take a dose so small It surely must be better to take no dose at all.

The art of prescribing has become more and more of a science since that time owing to a variety of causes.

THE STUDY OF THE ACTION OF DRUGS

on the lower animals, in which my teacher, Dr. Ringer, was a pioneer, and of which the present occupant of his chair, Professor Cushney, is so able an exponent—has led to the prescribing of drugs by themselves without any admixture; and this useful custom has now been much strengthened by the introduction of the tablet. Anyone can buy a tablet of any mortal thing now, and at least he knows the *name* of what he is taking, however ignorant he may be of the nature of the drug or of the structure of his own inside. I am very sure that it is not an unmingled blessing for the public. My wonder never wears off at hearing patients expressing their firm belief that their pains are due to this, that, or the other unlikely or unintelligible cause—something wrong with what they call leaders or sinews, or their various viscera, without knowing anything whatever about them, not even where they are placed. It seems strange to a doctor that the structure of our bodies and something of their physiology should be beyond the knowledge of the ordinary layman, but it is far more astonishing that people, rejoicing in such ignorance, should pour into their bodies drugs the action of which is equally beyond their ken. We all know something, but I am afraid that too little heed is paid to it, of the amount of harm that results from this promiscuous drug-taking. As to the pharmacist, the advent of the tablet must save him trouble and time. I often wonder how it affects his income. We are, of course, supposed not to think about our incomes, beyond the mere provision of food and raiment and a penny against a rainy day; but as we are human beings, equally, of course, we do so. One thing is clear: that

THE MANUFACTURE OF PATENT MEDICINES,

tablets, and other special pharmaceutical products has led to the amassing of enormous fortunes. One of the two most striking things that I have heard of in connection with the pharmaceutical world since Mr. Woolcock inveigled me into giving this talk was the will of Mr. J. C. Eno, of Eno's "Fruit Salt," at 1,500,000£—fabulous sum! For you all know, if I do not, exactly what it contained and what profit there was on each bottle, also how much was derived from fruit—and his was no exceptional

case.* Think of Professor Holloway and that noble, if *rococo*, college for women and the equally resplendent home for lunatics at Ascot. Think of Morison's pills, made of gamboge, colocyynth, aloes, squills, cream of tartar, and ginger, and of his statement that "As all diseases arise from one cause, and therefore require but one medicine, it follows that if Morison's pills do not cure, no other medicine on earth will; and infallibility belongs to God." No doubt he felt justified in saying that if Napoleon III. had taken eighty pills a day instead of some smaller number, he would have been cured of his stone in the bladder. Or think of Dr. James's powder, of which Goldsmith is supposed to have died, but which Horace Walpole had such faith in that he said he should take it if his house was on fire, and averred his belief that it could cure anything except physicians.

I might prolong the list indefinitely, and, curiously enough, should have to include many things which, though originally patent medicines, have since found their way into the Pharmacopœia, such as paregoric, Turlington's or Friar's balsam, Daffy's elixir or tincture of senna, and many others which have not been so incorporated, such as Anderson's or Scotch pills, and the vinegar of the four thieves.

Most of the inventors of these medicines were, of course, not doctors or chemists, but mere advertising quacks, full of assurance, and not ashamed to trade on the gullibility of the public. I only mention these matters to lead up to the observation that it is equally possible not only to make good incomes, but great fortunes, by the legitimate pursuit of pharmaceutical chemistry; I need not here mention names. And I will also remind you how much of this business has been taken out of our hands by our friends the enemy, and I exhort those of you who may have the opportunity to study the matter carefully with the view of helping to recapture some of the manufacturing trade in finished chemicals and pharmaceutical products that has disappeared from this country. The extent to which this has happened is not sufficiently appreciated. In an article by John B. C. Kershaw in the August number of the "Fortnightly" the writer says:

"The complete or partial suspension of the ordinary flow of commerce that has resulted from the war has revealed to our own and other nations, as nothing else could have done, their dependence upon Germany for certain groups of commodities and manufactures in which she has obtained almost a monopoly of the world's trade. The knowledge of this dependence was no doubt known beforehand to a few: the war has made it known to all."

GERMAN AND BRITISH TRADE COMPARED.

The total exports of this country in 1912 were not so very much larger than those of Germany—440,400,000/., as compared with 401,200,000/. But if we take the exports of chemicals, drugs, dyes, painters' colours, and glass, the exports of Germany were more than twice as large as ours (48,499,200/., against 22,963,610/.), and of these our exports are chiefly "heavy chemicals" and "crude products," while theirs are largely finished products, such as dyes, ethers, drugs, perfumes, and pharmaceutical products. We export practically no dyes, and only 2,235,390/., worth of medicines, whereas the Germans export 9,915,000/., worth of pharmaceutical products and 6,668,200/., worth of dyes. Our exports to Germany are principally sulphate of ammonia, borax, and sulphate of copper, and trifling quantities of lac varnishes, litharge, and incandescent gas mantles. They flood our markets with aniline and other dyes, indigo, and, among other things, 270 tons of pharmaceutical products.

I know these things ought not to be, but I do not know enough about them to criticise or approve of the Government scheme for setting them right. When I read Sir William Ramsay's and Sir William Tilden's strong statements, that we cannot regain this trade without

imposing a tariff, I cannot help agreeing with them, for I am sure we cannot force free trade on Germany. Only I doubt whether a tariff will do it as long as Germany can, and does, obtain an unlimited amount of cheap skilled labour, and continues (as there is every reason to suppose she will do when the opportunity occurs) to conduct her trade like a war—that is, to subsidise any manufacture she desires to monopolise until the competing country has been obliged to abandon it. I have only touched the fringe of this very difficult question, and that not because I have anything approaching to expert knowledge on the subject, but rather because I think that it is one that should—probably it does—occupy the serious attention of the Pharmaceutical Society, or perhaps some individuals in my audience. To pursue the matter further it would be necessary to inquire why the young German chemist is content to work for a very slender wage and abjure Saturday half-holidays, and whether it is in the smallest degree likely that Englishmen will ever think that the recovery of the drug-trade is worth such a sacrifice.

THE FUTURE OF MEDICINE.

But let us leave this digression into the sordid region of money-making in order to return to the other great reason why the pharmaceutical blunderbuss is going to be a thing of the past. The most notable occurrence of all in recent times as affecting your profession is the death of Professor Paul Ehrlich, whose studies have opened up a completely new field for pharmacy. He was, it is needless to say, not a pharmacist, but a pathologist, the Director of the Royal Institute for Experimental Therapy and of the Georg Speyer House of Experimental Chemotherapy at Frankfurt. Ehrlich was a really great man. He might also be called the inventor, or certainly the greatest discoverer, in the field of modern bio-chemistry—that is, the chemistry of life. At the present day he is best known to the public for that which, though the most striking, is by no means the most important part of his work—that is, the discovery of Salvarsan, "606." It appeals to the public because their eyes have at last been opened to the frightful results of syphilis, and Royal Commissions and other Commissions are trying to combat and extirpate the plague. But to you a far more important thing than the therapeutic action of the drug is the manner in which it was discovered. The method of investigation employed on this and similar occasions opens up a completely new field for the science of pharmacology. I do not know how to put the matter before you in a sentence, but I will try. Instead of following the plan of giving a drug, so to say, promiscuously, to an animal and seeing what effect it produced, either upon the whole organism or upon its cells, Ehrlich started with two well-known facts—that arsenic kills the *Spirochæta pallida* (the germ of syphilis), and, secondly, that it may do some well-ascertained damage to certain tissues of the human body. He therefore set chemists to prepare chemical combinations which his previously gained knowledge enabled him to suggest would kill the *Spirochæta*, but cause a minimal amount of damage to the human organism. After many trials "606" was produced. It is not perfect; it is difficult to make, and if not properly made it is highly dangerous; and, sad to say, the best article is made in Germany.† But the way in which it was discovered is what I want to dwell upon. It is a complete reversal of old methods, and suggests that, as our knowledge of the chemistry of the living cell and that of the living microbe increases, the pathologist and the chemist, working in concert, or combined in the same individual, may be able to predict the action of any drug when once its chemistry—perhaps I should say when its chemical composition—is known. What a grand thing that will be! And what a clean sweep it will lead to—I will not say of the Augean stables—but of the dispensary shelves.

There was a most interesting book published in the 'eighties called "Across the Zodiac," by Greig. Some-

*Reference was here made to the fortune left by the late George Taylor Fulford from Dr. Williams's Pink Pills. Sir Rickman said they were merely Bland's pills, and as the latter are good only for chlorosis (a comparatively rare disease), he expressed surprise that a fortune could be made out of something like them.

† Sir Rickman added: "So I have been told, but I am not sure that it is correct to say that the best article is made in Germany; at all events, the statement has been controverted in favour of an article made in England."

how, we need not say how, the author said that he reached the planet Mars, which is 3,000 years older than the earth, and may therefore be supposed to be to that extent in advance of us. The Martians could pack all their drugs into a small reticule which could be carried on one finger. They were of deadly potency and acted with invariable certainty. Shall we ever reach that stage? Perhaps you will say I am prophesying hard things. Well, it will not happen in your lifetime. I want, however, to suggest that, just as we meet with the combination of a pharmacist and a barrister—again, I need not mention names—so there is a splendid opening, not for the many, but for the chosen few, it may be for one only in my present audience—there is, I say, a splendid opening for the pharmacist-pathologist. The last century produced

A MAN WHO STARTED AS A CHEMIST

and ended by becoming the greatest therapist of his generation. He began his work, not, indeed, upon the comparatively restricted basis of Pharmacology, but upon the broad foundation of General Chemistry. He was led on step by step to the elucidation of the causes of many diseases of plants, animals, and, finally, of man, and to discover methods—one might almost say drugs—for their cure. He did more, directly and indirectly, than any one man of his century, or perhaps of any century, to alleviate human suffering and to retard the onset of death. I am speaking, of course, of Pasteur. It is not unfitting that we should dwell a few moments on his career, partly in connection with the things I have been speaking of, partly because it is owing to his discoveries and their consequences that some alleviation is possible for the terrible septic wounds that are caused by the present war, and that means have been found to control the epidemics which have started in some of the armies engaged. It is, I hope, unnecessary to remind you that he was born in comparatively humble circumstances; that he tore himself away from the alluring but useless pursuit of Art, for which he always thought he had a special talent, and devoted himself to the more arduous and more utilitarian study of chemistry. You will remember that his first discoveries were in the realm of crystallography, and that they led him to prove the existence of the two distinct but isomeric forms of tartaric acid. In the course of these researches into tartaric and racemic acids he was brought into close contact with the manufacturers of wine, and so was led to the study of the diseases of grapes and the study of fermentation in general. Each one of his discoveries seemed naturally to lead on to the next. As if by inspiration, but really as the result of untiring labour and brilliant genius, he found the cause and then the cure, or, better still, the means of prevention, of the destructive disease of silkworms, anthrax, chicken cholera, and hydrophobia. As a result of his labours, the whole system of treatment by serums and vaccines has been developed, and we are now able to deal with diphtheria, typhoid, cholera, the plague, and many other deadly diseases. It was also his discoveries with regard to putrefaction that opened Lister's eyes as to the cause of suppuration, and enabled him, by introducing the antiseptic system, to effect a complete revolution in surgery.

It is good for us in this time of universal sorrow, when our sympathies go out to the sufferings of our hardly-treated Allies, and, in a special manner, to the land of Pasteur's birth, to listen to a few words from the last public utterance of this great chemist, this prince of experimentalists and ardent patriot. It was on the occasion of his jubilee in 1893—a great ceremony, at which the President of the French Republic, Ministers of State, and representatives of scientific bodies from all over the world crowded the large amphitheatre of the Sorbonne. He had reached his seventieth year, and was already broken down by overwork and illness. He had addressed the great men of politics and science, thanking them for their presence and for their words of affection and praise, and commending to them the inestimable value of experimental research. Then he turned, with these memorable words, to the students who filled the galleries:

"Young men, young men, pin your faith on these trustworthy and powerful methods of inquiry, the first secrets only of which are as yet known to us. And whatever may be your lot in life, let no one of you allow himself to be touched by blackening and sterile scepticism; let him not allow himself to be discouraged by certain sorrowful hours in the history of his native land. Live, if you like, in the serene peace of your laboratories and your libraries, but ask yourselves these questions: First, 'What have I done for my own instruction?' Then, as you advance, 'What have I done for my country?' and some day the time may come when you may have the immense satisfaction of thinking that you have contributed, in some measure, to the progress and the good of humanity. But be your efforts more or less favoured in this life, you must, whenever the great end draws near, be able to have the right to say, 'At least I have done my best.'"

These noble words tempt me to close my discourse, for I cannot better them—I cannot approach them for excellence and wisdom. But it would perhaps be ending on almost too high a note, and you might think that I was urging everyone to stretch himself beyond his measure, and to leave the trivial round untrodden, the common task unfulfilled. That, however, is far from my intention. A genius like Pasteur appears but rarely on the scene, and it is safe to say that all of us have far humbler paths to tread. Moreover, such a conclusion would leave undealt with a matter which eluded me in the early part of my address, and which, though small, and, I trust, becoming smaller year by year, is not unimportant.

WARNING TO THE PRESCRIBING CHEMIST.

The majority of you may have a humbler path to tread. I have suggested to you how responsible even the position of a simple country pharmaceutical chemist is; I have now to add a word with regard to a temptation that I darkly hinted at some time ago which comes in the way of all dispensing chemists. The public are so delightfully simple-minded and, speaking generally, so profoundly suspicious of all orthodoxies that many of them become obsessed with the idea that it is better to "get something from the chemist" than to go to an orthodox doctor. They know that they can, at all events, get *something* to swallow, and they will not have to pay the doctor's fee. No doubt the chemist who reads many doctors' prescriptions gets to know in time what is given in most diseases, and, if he is of an inquiring mind, may learn from his clients which drugs are the most successful, and he may be tempted to use this accumulated knowledge, to accept the patient's diagnosis of his disorder, and even to make a diagnosis himself. It is, however, a most dangerous and immoral thing to do, because he has not had the education that enables him to make the diagnosis, and is not qualified to carry out the proper physical examination *without which a proper diagnosis cannot be made*. An apparently ordinary sore throat may be the sore throat of diphtheria, or scarlet fever, or it may mark the secondary stage of syphilis. A stomach-ache may be the symptom of an acute attack of appendicitis, or of a perforated ulcer of the stomach, or of a stone in the kidney, in any of which diseases the waste of a few days, or even of a few hours, may mean the loss of the chance of cure by suitable medical or surgical treatment.

And it is not only a question of prescribing; it is sometimes even a question of doing. I will tell you a true story of what happened not so very long ago. A young lady swallowed a mutton-bone, which stuck in her throat, and was foolish enough to consult a chemist, and he had the hardihood to take up the nearest surgical instrument to his hand—a tooth-brush—with which he pushed the bone down, and, as a matter of fact, pushed it, not into the gullet, but into the windpipe, with serious, though not fatal, results, for we were able to extract the bone, which had entered one of the secondary bronchi. This was some days later, and she, fortunately, recovered. But had it not been for modern instruments and modern means of diagnosis it would have remained there and set up a condition of things which, in the long run, would almost certainly have proved fatal. The last excuse for this kind of doctoring has been removed by the passing of the Insurance Act. I therefore repeat that it is a dangerous and an immoral practice. Only by rigidly

setting your face against it can you hope to keep a conscience void of offence, and to merit, when you have finished with this world, the epitaph of Mr. Peter Perkins, which is to be found in a village churchyard in Hampshire: "He was a man without guile and an apothecary without ostentation."

THANKS.

Sir WILLIAM TILDEN, in proposing a vote of thanks to Sir Rickman Godlee, said he is the senior student of the school, it being more than fifty years since he came on some such occasion as the present to get a bronze medal, which he still possessed, and certain certificates. After congratulating the students, Sir William spoke about the enormous expansion of the science of chemistry since he was a student. Physiology has become associated very particularly with organic chemistry, and future advances in physiology are likely to draw upon those lines, as is shown by the fact that quantitative chemical methods are now applied in the investigation of disease. The standard of the Major examination had become pretty high, but even the standard now reached would not carry one very far in that direction. He thought that with the extension and application of chemistry to physiological problems there is a field of work for higher pharmacists.

Mr. J. RYMER YOUNG, in seconding, said that for many years they had been accustomed to hear good addresses and to give votes of thanks for them; but even if they had not fallen into the habit of giving these votes of thanks, they would have desired to take exceptional steps to assure Sir Rickman Godlee how much they had appreciated his address.

The vote of thanks was heartily accorded.

Sir RICKMAN GODLEE briefly acknowledged the compliment. He said it had been a pleasure to prepare the address, but it had been rather a difficult one. He could not help feeling that the points which would naturally occur to a medical man in speaking to a number of students of pharmacy were rather delicate ones. If he had said anything that was rather too strong he hoped they would forgive him. He had often had to say to people, "I hope you don't really believe everything that I say." (Laughter and applause.)

The PRESIDENT invited the members of the assembly to take tea, and this terminated the proceedings.

October Minor Examination.

We have received from the Registrar of the Pharmaceutical Society of Great Britain the following results of the recent Minor examination held in London:

Ashby, Cyril F., Northampton	Mildren, William F., Praze
Ashworth, Fred., Acerington	Miles, Horace, Southborough
Bamforth, Norman, Stanland	Oxenham, Robert, Berea
Barker, William B., Clitheroe	Parkey, George E., Coal Aston
Bond, Cyrus H. B., Edgbaston	Perkins, William L., Tonybandy
Bowes, James, Stockton-on-Tees	Pinto, Cyprion F. X., Colombo
Broel, Louis W., Clapham	Piper, Cecil, Langley Mill
Cofman, Elizabeth, Brixton	Piper, Leslie, Langley Mill
Cole, William C. E., Swindon	Price, George W., London
Dickinson, John T. S., Bulawayo	Reily, Dorothy, Sutton Coldfield
Fenwick, T. H., Tylorstown	Riley, Thomas F., Woore
Gascoyne, Joseph E., Birmingham	Rose, Percival, Lincoln
Gould, William J. E., Teddington	Saint, William C., Beaminstor
Harries, John R., Mathry	Smith, Evelyn A., Glastonbury
Henry, Emrys G., Waterloo	Sowby, Frederick M., Sleaford
Hughes, Bernard J., Preston	Spencer, Cyril, Halifax
Kenyon, Ernest, Broadbottom	Spencer, Wilfred, Halifax
Knight, Thomas H. A., Grant-ham	Stansfield, Arthur, Manchester
Lewis, Noah T., Pontypidd	Stoyle, Wallace T., Crediton
Lord, Vera M., London	Tomlinson, James A., Burnley
	Weatherhead, William J., Parsons Green
	Yeates, Charles W., Stourbridge

NORTHAMPTON POLYTECHNIC INSTITUTE.—Particulars of the forthcoming session of the Northampton Polytechnic Institute, St. John Street, London, E.C.1, are contained in the "Announcements for the Session, Educational and Social," recently issued. Of special interest to chemists are the classes in chemistry and electro-chemistry and electro-metallurgy, which are held on Monday, Tuesday, Thursday, and Friday evenings, and the classes in general and applied optics, visual optics, sight-testing, and spectacle-frame fitting, held on each evening of the week except Saturday evenings.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Charge against Taylor's Drug Co., Ltd.

At a meeting of the Hull Insurance Committee on October 6 a letter was read from the Commissioners with reference to the complaint of the Committee against the Taylor Drug Co., Ltd., the inquiry as to which was reported in the *C. & D.*, August 14. The Commissioners intimated that they had decided to take no action in the matter. They enclosed two copies of the report of the inquiry which was held, and the special attention of the Insurance Committee was drawn to the findings set out therein. In view of those findings the Commissioners could not but conclude that the case was one in which the representations ought not to have been made. The Chairman (Alderman F. Askew), alluding to slight applause, said he did not know that this was a subject for applause. He took rather a serious view of the matter, and he thought the Committee would be wise to defer further consideration in order that the Clerk might obtain copies of the Commissioners' findings, so that each member of the Committee might be furnished with the same. There were many technicalities which, if read, would not help them or elicit a useful discussion. He proposed a resolution to this effect. Councillor Lofthouse seconded. Dr. Lilley, J.P., suggested that it would not take them any further. He took it that the inquiry had finished the matter, and if that was so, the less they said the better it would be. The motion, however, was carried, and consideration of the report was deferred until the next meeting.

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Associations' Winter Session.

ENGLAND.

Barnsley.—Panel chemists have been paid 17*l.* 17*s.* 10*d.* in respect of war-scheduled drugs supplied to December 31, 1914.

Barrow-in-Furness.—During the quarter ended June 30, 16,429 prescriptions (average cost 8.844*d.*) were dispensed in the area. The average cost per insured person was 6.008*d.*

Bolton.—The local Medical and Panel Committee on September 17 decided not to accept the "commercial" Tariff on the lines laid down by the memorandum of the Insurance Acts Committee of the B.M.A. (*C. & D.*, September 18, p. 55). The Committee resolved that the Drug Fund should be centralised, and that areas in which the fund is insufficient should be assisted by those which have a surplus; and that the scrutiny of prescriptions be continued as at present.—At a meeting of the Insurance Committee on September 30, the Medical Benefit Sub-Committee submitted the following statement of the analytical check of prescriptions for the second quarter of 1915, compared with the preceding quarter and the corresponding quarter of 1914:

	2nd Quarter, 1915	1st Quarter, 1915	2nd Quarter, 1914
No. of prescriptions ...	60,143	68,950	69,673
Value of prescriptions...	£1,864	£2,173	£2,305
Average cost of prescriptions...	7.43 <i>d.</i>	7.56 <i>d.</i>	7.93 <i>d.</i>
Persons on doctors' lists ...	72,544*	72,412*	69,155
Average number of prescriptions per person on doctors' lists ...	0.82*	0.95*	1.00
Average cost of drugs per person...	6.16 <i>d.</i> *	7.20 <i>d.</i> *	7.99 <i>d.</i>

* No allowance made for enlistments.

Payments to chemists under the emergency settlement for 1914 were sanctioned. Reports from the Panel Committee were submitted, (a) indicating that a local Pharmacopoeia, consisting of ten stock mixtures, had been adopted, to come into force on October 1, 1915; (b) recommending that seventeen doctors, whose prescribing had been investigated at the request of the Pharmaceutical Committee, should be cautioned as to their future prescribing. The Finance and General Purposes Sub-Committee recommended payments to chemists (a) for 1915, 255*l.*; (b) for emergency settlement, 1914, 545*l.*; (c) *ex-gratia* payments, 64*l.* The name of Mr. John Williams, 329 Halliwell Road, Bolton, was added to the list of panel chemists.

Birmingham.—A report recently presented to the Panel Committee by the Pharmacopœia Sub-Committee indicates a marked improvement in the figures relating to excessive prescribing during the first quarter of 1915, giving promise of good results for the year. It was decided to advocate some revision of the Drug Tariff, with automatic surcharging of practitioners whose expenses exceed 2s. per insured person, with continuous scrutiny of prescriptions.—The Pharmaceutical Committee, on September 27, considered the proposed new Tariff. A resolution was passed that 0.8d. per prescription for establishment charges is unreasonably low. Dissatisfaction was also expressed with the proposed dispensing-fee for mixtures, having regard to the fact that all drugs are priced at cost. The Secretary was instructed to inquire as to the interpretation of certain points in the Tariff pending further consideration by the Committee. The nomination of Mr. F. J. Gibson as a member of the Local Associations Executive Committee was approved.

Bournemouth.—The Clerk reported to the Insurance Committee at a recent meeting that chemists' 1914 accounts had been finally settled. The Medical Benefit Sub-Committee reported that the Pharmaceutical Committee had approved of the scheme for joint pricing and checking of prescriptions, and it was agreed to discuss the matter at the next meeting. The meeting then discussed, in Committee, a report from the Panel Committee on over-prescribing.

Cornwall.—A meeting of the Pharmaceutical Committee was held in Truro on September 23. Mr. A. C. Gee (Redruth) presiding. The result of a scrutiny of prescriptions for the first six months of 1915 indicated that the average cost per prescription was 7.75d., and the average cost per insured person 1s. 0.25d. Forty-six doctors had exceeded the allowance of 9d. per insured person for the half-year, and it was resolved to ask the Panel Committee to investigate their prescribing. Messrs. Cannon, Gee, Roberts, Stephens, and Hall were appointed to meet the Panel Committee if necessary.

Derby.—The Town Council has arranged with chemists on the Insurance panel to supply medicines to patients attending the tuberculosis dispensary at Insurance Tariff rates.

Hampshire.—At the meeting of the Insurance Committee on October 4 the Finance Sub-Committee reported that they had agreed to pay panel chemists the balances of their 1914 accounts and their August accounts as checked. The Prescription Checker's report had been received and discussed, the Medical Benefit Sub-Committee reported, and, in addition to the appliances referred to in the report, which the Sub-Committee recommended for use, it was decided that mustard-leaves should also be supplied. The Medical Benefit Sub-Committee reported that they had received a resolution from the Pharmaceutical Committee protesting against the lateness of the hours at which certain doctors see their patients, thereby extending the already long hours of the panel chemists. The Pharmaceutical Sub-Committee reported on two cases. One was a complaint that a chemist had refused to treat an insured person suffering from a dog-bite. The Sub-Committee decided that there was no case against the chemist. In the other case a chemist complained about an insured person for refusing to leave his shop, adopting a threatening attitude, and creating a disturbance. The Sub-Committee did not consider the case fully proved, but the insured person was severely cautioned.

Hull.—The following statistics regarding prescriptions for the first two quarters of 1913, 1914, and 1915 have been issued by the Insurance Committee:

	Number of Prescriptions	Value £	Average Cost of each d.
1913	125,090	3,843	7.37
1914	144,599	5,398	8.94
1915	120,420	4,086	8.15

The values of the three highest-priced prescriptions during the first quarter of 1915 were 7s. 8d., 7s. 5d., and 6s. 9d.; during the second quarter, 10s. 8d., 6s., and 5s. 4d.—Messrs. E. H. Earle and T. W. Robinson will represent the Pharmaceutical Service Sub-Committee on the Joint Services Sub-Committee.

Leeds.—The Insurance Committee has paid to chemists 90 per cent. of the amounts of their accounts for August.

Liverpool.—An epitome of proceedings of Sub-Committees from September 21 to 23 states that, on account of the increased work entailed, both to chemists and the staff of the Insurance Committee by the rendering of accounts sorted in order of doctors, the Medical Benefit Sub-Committee has decided to further postpone the question of the substitution of monthly for quarterly payments to chemists. The Clerk reported that with eight exceptions

all the chemists on the panel have accepted the emergency settlement for 1914, and that as chemists were paid in full for 1913 and 88.33 per cent. was paid for 1914 there will be no *ex-gratia* payments from the special Drug Fund. Chemists have been paid 114l. 18s. 3d. in respect of war-scheduled drugs supplied to December 31, 1914. It was reported to the Sub-Committee that for the quarter ended June 30, 1915, 133,976 prescriptions (value 5,128l. and average cost 9.18d.) were dispensed, compared with 168,487 (approximate value 6,480l. and average cost 9.25d.) in the corresponding period of 1914, and 148,540 prescriptions (value 4,991l. and average cost 8.06d.) in the second quarter of 1913. The Clerk reported that the name of Mr. R. W. Smith, who has taken over the business of the late Mr. R. G. Smith, 36 Lawrence Road, had been added to the panel list.

Middlesex.—The Insurance Committee met on October 3 at the Guildhall, Westminster, London, W., Mr. W. S. Glyn-Jones, M.P., in the chair. Payments were passed to chemists of 5,155l. for 1914 and 2,851l. for the current year. The General Purposes Sub-Committee reported that the members had elected Mr. Glyn-Jones to be Chairman for the ensuing year.

Northamptonshire.—The Panel Committee, after consideration of the memorandum of the Insurance Acts Committee of the British Medical Association (*C. & D.*, September 18, p. 55), has agreed that each Insurance area should be credited with an amount for drugs and appliances on the same basis, with continuous scrutiny and surcharging as at present.

Oxford.—At a meeting of the Insurance Committee on October 1, Mr. H. C. Goodall, chemist and druggist (Vice-Chairman) was elected unanimously Chairman of the Committee, in room of Alderman Kingierlee, resigned. Mr. Goodall returned thanks for his election. The Committee passed payments to chemists of 4l. 11s. 1d. in respect of war-scheduled drugs supplied to December 31, 1914.

Portsmouth.—The Insurance Committee, on September 30, passed payments to chemists for the third quarter of 1915 of 80 per cent. of the amounts of their accounts. Following the introduction of the new local Pharmacopœia, a letter was read from the Portsmouth and District Friendly Societies' Council protesting against the use of stock mixtures. It was explained that the Pharmacopœia is intended solely for the convenience of doctors and chemists, and that there will be no stock mixtures kept in bulk.

Sheffield.—The Insurance Committee met on October 6. The Clerk reported that chemists' accounts for August amounted to 978l., and the amount available in the drug fund is 954l. He recommended the usual payments of 75 per cent. The request of Mr. J. E. Alecock, Ph.C., that his name be removed from the panel list was acceded to, and the name of Mr. G. F. Leighton, 485 Glossop Road, was added to the list of dispensing contractors. The Clerk reported that it would be some considerable time before Mr. B. Lancaster, pharmacist-checker to the Committee, who has been on sick-leave, would be able to resume work. It was agreed to extend his leave till January 31, 1916, on half salary, subject to the approval of the Commissioners, and the Clerk was instructed to obtain the sanction of the Commissioners to the continuance of the appointment of the temporary checker till that date. It was reported that a panel practitioner has appealed to the Commissioners against a decision of the Committee regarding a complaint considered by the Medical Benefit Sub-Committee. The Clerk was authorised to take the necessary steps for the presentation of the Committee's case in the appeal. The following payments to chemists were passed:

	£	s.	d.
Eighth payment to chemists for 1915 (75 per cent. of accounts)	714	8	6
To certain chemists for appliances	21	2	0
To the local Pharmaceutical Committee	30	0	0

Councillor A. Neal, Vice-Chairman of the Insurance Committee, welcomed Mr. J. T. Appleton on taking his seat on the Committee. The standing orders were suspended, and Mr. Appleton was placed on the Medical Benefit Sub-Committee, on the motion of Mr. Trippett.

Smethwick.—The Insurance Committee on October 5 received a letter from the Panel Committee suggesting that cod-liver oil and malt extract should be treated as a food. The checker's report showed that in April-June 16,454 prescriptions were dispensed, value, as checked, 407l. 11s. 11d., and average cost 5.9d., or 4d. per insured person. Eleven chemists have accepted the emergency settlement for 1914, which is equal to 91.5 per cent. of the accounts rendered. It is assumed that the final settlement will not be less, so the Sub-Committee recommended payments to the other chemists, bringing their advances to 86.5 per cent. Chemists have also received 13l. 5s. 9d. for war-scheduled drugs supplied to the end of 1914. Payments to chemists of 480l.,

or 97.5 per cent. of the accounts, whichever is the less, for the third quarter of 1915 was agreed to.

Surrey.—The Commissioners have approved of the payment to the Pharmaceutical Committee from the Drug Fund of advances up to 80*l.* plus one-third of the cost of checking prescriptions.

Wigan.—Panel practitioners in the area have resolved to agree to the adoption of a commercial Tariff upon condition that any excess of the cost of drugs and appliances over an average of 2*s.* per insured person is not met by any call upon the Practitioners' Fund, and that that Fund and the Drug Fund remain separate.

Wolverhampton.—During the quarter ended March 31, 1915, the average cost per prescription was 7.72*d.* Practitioners' individual averages ranged from 5.14*d.* to 13.7*d.* per prescription.

Yorkshire.—At a meeting of the East Riding Insurance Committee on September 30, the Chairman (Dr. R. C. Appleton) announced that for 1913 and 1914 chemists' accounts had been paid in full, and advances equal to 80 per cent. had been paid for the current year.—A meeting of the North Riding Pharmaceutical Committee was held at York, on September 29. Mr. George Whitfield was elected *President*, Mr. C. C. Laverack *Vice-President*, and Mr. W. A. Senior *Secretary*. The Pharmaceutical Sub-Service Committee members (Messrs. Chapman, Fairburn, and Whitfield) were re-elected. An Emergency Sub-Committee of three was elected to deal with all questions relating to the Pharmaceutical Committee, except that of policy. The proposed Commercial Drug Tariff was vigorously discussed and adversely criticised. Messrs. Fairburn and Hird offered to compare the cost of a goodly number of assorted prescriptions under the present and proposed Tariffs, and their offer was gratefully accepted.

SCOTLAND.

Pharmaceutical Standing Committee.

Panel chemists have received Appendix IX. to the Drug Tariff, which shows that five new drugs have been added to the list and the prices of thirty-one others are altered. In an accompanying circular it is stated that the decision of the Standing Committee regarding the proposals of the Departmental Committee on the Drug Tariff (*C. & D.*, October 2, p. 57) has been forwarded to the Scottish Insurance Commission, and the Commissioners have been reminded that the Standing Committee is still awaiting a reply to the stated case for improved conditions submitted on October 1, 1913. Panel chemists are requested to await the decision of the General Council of Panel Chemists (Scotland), which is to meet this month, when full information will be issued to Pharmaceutical Committees. Suggestions and reliable data regarding the inadequacy or otherwise of the Departmental Committee's suggestions are invited. Regarding the proposal of the National Retrenchment Committee, that the Scottish Insurance Commission should be abolished, it is stated that this would be prejudicial to the interests of Scottish pharmacists, and all Scottish members of Parliament have therefore been petitioned to oppose any such proposal. Local action by chemists who are electors is advised.

Fifeshire.—The local Medical and Panel Committees on September 16 expressed the view that the suggested "commercial" Tariff means nothing else than making the Drug Fund a first charge on the Medical Benefit Fund. A resolution was passed that, if any attempt is made to do this, the Panel Committee will recommend practitioners to refuse to sign agreements, and, if necessary, leave the panel. It was agreed that panel practitioners should bear a third share of the charges of the Checking Bureau for the area.

WALES.

Glamorganshire.—In a report of the Drug Fund Sub-Committee, presented to the Insurance Committee on September 30, attention was directed to certain anomalies with regard to the cost of prescriptions in various areas and also in the Drug Tariff. It was suggested that the local Medical Committee should fix a certain sum for prescriptions, and that practitioners who exceed that figure should be surcharged the excess.

NEW SALVADOR TARIFF.—A new Customs tariff for Salvador is operative from January 1, 1916, imposing a rate of \$0.40 (U.S. currency) per kilo. for various pharmaceutical products, including preparations of known formulæ not specified in the tariff, while a rate of \$1 per kilo. is imposed on preparations of secret formulæ.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., October 7, 6.30 p.m.

BUSINESS in chemicals and drugs continues to be of fair extent, and the fact that the drug auction was held to-day has helped to swell the volume of trading. The more important changes in values include an advance of 10*l.* per ton in British c.p. glycerin; the chemical is now under Government control. Bromides have been advanced by makers, but they are not ready sellers. Caffeine is also higher. Menthol has advanced about 9*d.* on spot, and the Balkan crisis has driven up the price of opium, especially Turkey, which is very scarce. Quinine is strong and much dearer, on American buying in London; other articles which have advanced include balsam Peru, bismuth subnitrate, chrysarobin, ipecacuanha, and squill. Ammonia sulphate, copper sulphate, sulphur, and podophyllum resin are firmer. On the easier side are star-anise oil, potash permanganate, vermilion, acetanilide, salol, citric acid, bergamot oil, quicksilver, and turpentine.

The principal changes have been as under:

Higher	Firmer	Easier	Lower
Balsam Peru	Ammonia sulphate	Anise oil, star	Acetanilide
Bismuth subnit.	Chrysarobin	Citric acid	Balsam tolu
Bromides	Copper sulphate	Kola	Bergamot oil
Caffeine salts	Dragon's-blood	Pot. permang.	Guaiacum
Cassia fistula	Fenugreek-seed	Sarsaparilla	Quicksilver
Castor oil	Ipecacuanha (M.G.)	Vermilion	Rhubarb (H.D. common)
Glycerin	Peppermint oil (Amer.)		Salol
Podophyllum resin			Senna (Tinn.)
Menthol	Sulphur		Turpentine
Opium			
Quinine (sec. hands)			
Rosin			
Squill			

Cablegram.

NEW YORK, October 6.—Business is fair. Opium is quiet at \$8.25 per lb. for druggists' quality. Peppermint oil in tins has advanced a further 5*c.* to \$1.65. Menthol is steady at \$2.60. Balsam Peru has advanced to \$4.25. Copaiba balsam is steady at 34*c.* Cascara sagrada and arnica-flowers are also steady at 7½*c.* and 28*c.* per lb. respectively.

London Markets.

ACETANILIDE is rather cheaper, offering at from 5*s.* to 5*s.* 3*d.* per lb.

ACETIC ACID.—A limited quantity of 98 to 100 per cent. glacial is offered at 105*s.* per cwt.

ACETYL-SALICYLIC ACID is quoted at about from 45*s.* to 48*s.* per lb., as to holder.

ALBUMEN has been in good demand of late, and, although arrivals have been good, they have been readily taken up; the value of hen-albumen is about 3*s.* 2*d.* on the spot.

AMMONIA SULPHATE is rather firmer at 13*l.* 15*s.* per ton net naked at works London for 25-per-cent. ammonia; Hull prompt 24-per-cent. is 2*s.* 6*d.* better at 14*l.* 10*s.*; Liverpool is 14*l.* 10*s.* to 14*l.* 12*s.* 6*d.*; and Leith prompt 14*l.* 15*s.* per ton in bags f.o.b., less 3½ per cent.

ANISE OIL, STAR.—The spot price for "Red Ship" brand remains at 3*s.* 3*d.*, and to arrive business has been done at slightly below 2*s.* 10*d.* e.i.f.

BALSAM PERU has been in improved demand, the chief outlet at the moment being probably as an antiseptic for plaster-making. Holders now ask 17*s.* 6*d.* spot, and from

16s. 6d. to 16s. 9d. c.i.f. to arrive. Two cases in auction were bought in at 18s.

BISMUTH.—There is still an enormous demand for the metal, much more than the refiners can cope with, consequently they are much behindhand in their deliveries and cannot undertake fresh business. The nominal price is 10s. per lb.

BISMUTH SUBNITRATE is dearer at from 17s. to 18s. per lb.

BROMIDES.—English makers have advanced their price of potassium and sodium to 11s. and ammonium to 12s. per lb. net without engagement. As has been the case for several months, they are not ready sellers at these prices, and only endeavour to supply their regular customers with limited quantities.

CAFFEINE SALTS.—Makers endeavour to supply their regular customers on the basis of 25s. per lb. for pure caffeine. The citrate is quoted 16s. to 16s. 6d., benzoate 20s., hydrobromide 24s., hydrochlor. 18s., salicylate 21s., soda benz. 20s., soda salicyl. 21s., sulphate 17s., and valerianate 25s. per lb. net. The foregoing prices are nominal.

CASTOR OIL is dearer at 44l. per ton for first pressing in barrels, ex wharf London. Hull make of first pressing is 39l. in barrels for November or December delivery f.o.b. Hull; pharmaceutical quality is 3l. 10s. per ton over the price of firsts in barrels. In Liverpool good second Calcutta is quoted at 4d. for store parcels and 3½d. for forward.

CHRYSAOBIN.—Makers are asking 16s. per lb. net, being an advance on previous prices.

CINCHONA.—At the tender held at Amsterdam on September 29 the amount on offer was equivalent to 58,863 kilos. quinine sulphate, of which 39,302 kilos. sold at the average unit of 6.20c. per half kilo. This represented 7,235 packages weighing 625,907 kilos. of bark, the total offering being 10,775 packages or 928,592 kilos. The bark shipments from Java to Europe during September amounted to 1,029,580 Amst. lb., against 745,000 Amst. lb. during September 1914. The total shipments January-September amounted to 7,753,620 Amst. lb. in 1915, against 11,063,000 Amst. lb. in 1914. In the drug-auction 9 bags Ceylon succirubra-chips sold at 4½d. A lot of 39 cases Java offered, including 24 cases good bright thin long quill, for which 8d. was wanted, and 15 cases fair bright silvery bold quill, the value of which was 1s.

CITRIC ACID is lifeless at 3s. to 3s. 1d. per lb.

CITRONELLA OIL.—The exports from Ceylon show the large increase of 237,352 lb. during the period January 1 to September 6, 1915, being 1,031,595 lb., against 854,233 lb.; the chief destinations were (the figures in parentheses being those for 1914): U.K., 280,056 lb. (298,013 lb.); U.S.A., 619,872 lb. (333,602 lb.); France, 58,636 lb. (19,390 lb.); Australia, 83,181 lb. (64,190 lb.).

CLOVES steady, with sellers of fair Zanzibar on spot at 6½d. per lb.; to arrive October-December and November-January shipments have been sold at 5½d. c.i.f. d.w. and buyers.

COCA-LEAVES.—At the auction held at Amsterdam on September 30 the 1,585 packages offered were bought in. The exports from Java to Europe during August 1915 were 550 packages against 1,684 in 1914, and the shipments for the eight months (January-August 1915) amount to 14,575 packages, against 19,789 in 1914.

COD-LIVER OIL.—Our Bergen correspondent writes on September 29 that the chief interest at the moment centres in industrial oils, for which prices are rising; there is a brisk demand in Norway. The quotation for non-congealing oil is nominal. In London prices remain unchanged. A rumour has been in circulation that Norwegian refiners have bought Newfoundland oil for refining in Norway, but this statement has been repudiated by Norwegian refiners. As regards Newfoundland cod-liver oil, a report from St. Johns, dated September 17, from a leading maker states: "We have not got much oil, and from all appearances it looks as if the fishery season for this year is over, as there has been no fish caught during the last six weeks owing to a complete absence of bait."

COPPER SULPHATE is firmer at 23l. 15s. to 29l. per ton for the usual Liverpool brands.

CREAM OF TARTAR is unaltered at about 190s. for 98-per-cent. London on the spot.

ERGOT.—Spot value of either Spanish or Portuguese is 2s. 5d., and forward 2s. 5d. also. America is buying in Spain and the prospects are for higher prices.

FENUGREEK-SEED is firmer at from 12s. to 12s. 6d. per cwt. for good Morocco.

GALANGAL.—Consignments which formerly went to Hamburg are now being received in London.

GALLS.—No Persian blue are obtainable; green are selling at from 80s. to 85s. spot.

GLYCERIN.—The British Glycerin Convention on Friday (October 1) advanced their prices by 10l. per ton, the quotation for chemically pure double-distilled s.g. 1.260 quality in 10-cwt. drums being 110l., and in tins and cases 114l. per ton on 5-ton contracts. The fact that the British Government has assumed control of the stocks and production is referred to in our editorial columns.

HENBANE.—An arrival of over 100 bales has recently taken place from Egypt.

LEMONG OIL remains extremely quiet at 3s. 10d. to 4s. per lb. c.i.f., and on the spot prices have a wide range at from 4s., rising to 4s. 6d., indicating that some holders have higher pretensions.

LIQORICE-POWDER.—The price of "pulv. glycyrrh. co." has advanced about 10s. per cwt. owing to the increased cost of liquorice, sulphur, and sennas, also grinding.

MENTHOL.—The spot price has advanced from 9d. to 1s. per lb. from its lowest, sales of Kobayashi-Suzuki having been made up to 9s. 9d., and buyers; to arrive Suzuki has been sold in fair quantity at 8s. 7½d. c.i.f. for November-December and December-January shipments, and Oil at 2s. 7½d. c.i.f., and further buying was in progress on Wednesday.

The exports from Japan during July were 5,465 kin. valued at 29,427 yen, and for the seven months ended July 31 the exports were as follows:

	1913	1914	1915
Kin ...	128,668	217,115	221,841
Yen ...	1,795,614	1,502,070	1,232,232

The destinations during the seven months were as follows:

	1913	1914	1915
To	Kin	Kin	Kin
British India ...	6,157	9,969	15,594
Great Britain...	34,927	37,049	45,560
France ...	19,455	17,829	34,237
Germany ...	46,623	82,600	—
U.S.A. ...	17,007	63,664	105,086
Other countries	5,329	6,004	21,264
Kin ...	128,668	217,115	221,841

MINT OIL.—A fair business has been done to arrive, including Suzuki in fair quantity at 2s. 7½d. per lb. c.i.f. for October-November and November-December shipment. Spot price is now 2s. 11d.

The exports from Japan during July were 16,199 kin. valued at 35,349 yen, and for the seven months ended July 31 the figures are:

	1913	1914	1915
Kin ...	170,491	228,263	257,088
Yen ...	666,842	694,608	516,876

OPIMUM.—The entry of Bulgaria into the arena, which probably means the cutting of the railway bringing Serbian opium to Salonica, has brought about an excited market here, and up to 27s. has been paid for 10-per-cent. Turkey druggists' on the spot, at which price there are further buyers, but sellers have withdrawn. Spot stocks are, of course, extremely small, imports of enemy product not having been accorded entry of late. Soft shipping is nominally 30s. per lb. Persian is firmer at from 21s. to 21s. 6d. for good test on spot.

PEPPER has been placed on the list of prohibited exports and the market is dull. Fair black Singapore is quoted at 6d., Tellicherry 6½d., fair Alleppy 6½d., and Lampong 6d.; fair white Singapore is 8½d., Muntok 10½d., and Penang 8½d., all spot.

PEPPERMINT OIL.—American tin oil remains firm at 8s. 6d. per lb. net on the spot, and at 8s. to 8s. 3d. for forward delivery.

PHENACETIN.—Sales have been made at from 49s. to 50s. per lb.

PODOPHYLLIN RESIN of American make is firmer at from 12s. 5d. to 12s. 6d. per lb. on the spot.

POTASH CHLORATE.—There is a good inquiry, including an export order for 40 tons on the market on behalf of one of the Balkan States. The spot price for ordinary is 1s. 6d., and for chemically pure up to 2s. 1d. is quoted.

POTASH IODIDE.—The exports from Japan during July amounted to 3,917 kin. valued at 29,731 yen, and for the seven months ended July 31 the exports were:

	1913	1914	1915
Kin ...	33,390	45,024	81,273
Yen ...	192,885	289,093	619,342

There were again no exports of *Crude Iodine* during July. The exports during the seven months ending July were 1,185 kin, against 11,780 kin and 8,927 kin in 1914 and 1913 respectively.

QUICKSILVER is lower at from 16*l.* to 16*l.* 5*s.* for Spanish and 15*l.* 15*s.* for Italian.

QUININE continues in good consumptive demand at advancing prices, up to 2*s.* 3*d.* per oz. having been paid for the usual Continental brands from second-hands, and December delivery up to 2*s.* 4*d.* To-day (Thursday) urgent American orders have excited the market, up to 2*s.* 7*d.* having been paid for spot. The landings in London during September amounted to 142,100 oz. and the deliveries to 301,200 oz., leaving a stock on September 30 of 1,995,300 oz., against 2,832,700 oz. in 1914. The question of the desirability of placing quinine on the prohibited export list may again be taken up by the authorities.

SALICYLATES are unchanged, acid powder offering at 15*s.* 6*d.* and sodium powder 16*s.*, and crystals 17*s.*

SALOL has been sold to arrive at from 27*s.* 6*d.* to 30*s.* per lb.

SHELLAC remains firm but quiet on a basis of 69*s.* for usual standard TN Orange, good 70*s.*, E. and O. fine 72*s.* 6*d.*, and fine Orange 82*s.* 6*d.* to 85*s.*; AC Garnet is 66*s.* for fair free, and G.A.L. 62*s.*; fine *button* has been sold at from 80*s.* to 85*s.*; futures quiet.

SOY sells in retail at from 2*s.* 2*d.* to 2*s.* 3*d.* per gal. on duty-paid.

SQUILL.—The principal holder has done business this week at 40*s.*, and the prices are from 40*s.* to 45*s.* on the spot, as to quality. The *Kurand*, from Catania, has brought 110 bags.

SULPHUR is rather firmer at from 11*l.* to 12*l.* per ton, and at 10*l.* 10*s.* for roll, ex wharf, London.

SUMAC.—H.M. Consul at Palermo reports, under September 15, that the 1915 sumac-crop in Sicily has proved a good one, being considerably larger in quantity than last year's and much superior in quality. The result would have been even better had not rain fallen before the crop was completely harvested. Fortunately, however, the harvest commenced rather earlier than usual, so that, save in some of the mountainous districts, the sumac had all been gathered and warehoused before the end of August.

TARTARIC ACID is firm at 2*s.* 2*d.* to 2*s.* 2½*d.* per lb.

TURPENTINE has declined about 6*d.* per cwt., closing at 35*s.* 3*d.* per cwt. spot for American.

VERMILION has been slightly reduced, English makers quoting 5*s.* per lb.

WAX, VEGETABLE.—Japanese is quoted 53*s.* 6*d.* c.i.f. for November-December shipment.

London Drug-auctions.

Commercial Sale-rooms.

Mincing Lane, E.C., October 7.

A fair quantity of goods offered, and met with a moderate demand, taking conditions into consideration. Common Cape aloes sold at full rates, "orders for price" being the rule; other descriptions were not offered. Ammoniacum and Sumatra benzoin brought steady rates. Balsam tolu was lower. Cardamoms hang fire, except fine Mysore. Calumba in large supply, and neglected. Cassia fistula dearer. Dragon's-blood firmer for reboiled, considering the quality. Gamboge not offered. Guaiacum cheaper for ordinary. Honey in fair demand and irregular. Rio ipecacuanha dearer, and in better demand privately. Kola tending easier, the supply being larger than the demand. Rhubarb generally easier for High-dried. Sarsaparilla steady for genuine grey Jamaica, Native and Honduras being neglected. Tinnevely senna is more plentiful; prices were very irregular, but 1*l.* cheaper for common. Turmeric slow, and beeswax flat. The asterisk denotes private sales:

Offered	Sold	Offered	Sold
Aconite root.....	7 ... 0	Cantharides (Ch.)	15 ... 0
Agar-agar	5 ... 0	Cardamoms and	
Ajowan-seed.....	20 ... 0	seed	543 ... 50
Aloes—		Cascara sagrada ..	488 ... 0
Cape	136 ... 17	Cashew-nuts.....	61 ... 0
Ammoniacum	21 ... 18	Cassia fistula	12 ... 12
Anatto-seed	184 ... 0	Chamomiles	20 ... 0
Areca	49 ... 0	Chaulmoogra oil ..	2 ... 0
Argol (Cape).....	12 ... 0	Chiretta	10 ... 0
Asafetida	10 ... 0	Cinchona	39 ... 4
Balsam peru.	17 ... 0	Cinnamon oil	14 ... 4
Balsam tolu	23 ... 8	Cocculus indicus...	60 ... 0
Benzoin—		Croton-seed	34 ... 0
Palembang	35 ... 0	Cubebs	35 ... 0
Siam	47 ... 0	Cuttlefish-bone ...	50 ... *10
Sumatra	276 ... 24	Dragon's-blood	85 ... 10
Black-haw bark ...	3 ... *2	Elemi	15 ... 5
Buchu	29 ... 2	Galangal	10 ... 0
Calumba	661 ... 2	Galbanum	5 ... 0
Camphor (ref.) ...	15 ... 0	Galls (Ch.)	20 ... 0
Canella alba	3 ... 0	Guaiacum	9 ... 9
Cannabis indica ...	2 ... 0	Gum acacia	75 ... 0

Offered	Sold	Offered	Sold
Gum acroides	257 ... 0	Salep	2 ... 0
Hebanane	8 ... 0	Sandarac	5 ... 0
Honey—		Sarsaparilla—	
Calif.	20 ... 0	Grey Jam.....	52 ... 46
Haytian.....	62 ... 62	Honduras	49 ... 0
Jamaican	491 ... 195	Native Jam.....	19 ... 1
San Domingo ...	91 ... 91	Senega	15 ... 0
Trinidad	119 ... 119	Senna and pods—	
West Indian ...	10 ... 10	Alex.	46 ... 0
Ipecacuanha—		Tinnevely	648 ... 591
Matto Grosso ...	7 ... 3	Tamarinds (W.I.)	72 ... 0
Jalap	18 ... 0	Tragacanth	120 ... 120
Kamala	15 ... 0	Turmeric	429 ... 103
Kola	151 ... 3	Valerian (Jap.) ...	32 ... 0
Lime-juice (pns.)..	5 ... 0	Wax (bees')—	
Lime oil.....	1 ... 1	Abyssinian	209 ... 1
Lobelia	3 ... 0	China	1 ... 0
Myrrh.....	15 ... 0	East African.....	71 ... *25
Nux vomica	21 ... *1	East Indian	172 ... *2
Olibanum	106 ... 0	Egyptian	110 ... 0
Orange-peel	19 ... 0	Jamaica	19 ... 0
Papain	2 ... 0	Morocco	6 ... 0
Podophyllum-root	11 ... 0	Mozambique.....	150 ... 0
Rhubarb—		Portuguese	131 ... 5
Chinese	222 ... 72	West Indian ...	7 ... 1
Ch. Rhap.....	15 ... 0	Wild-cherry bark	7 ... 0

* Sold privately.

At the drug-auction, Mr. Andrew Devitt (Lewis & Peat) announced that he had received a letter from Mrs. Baiss (widow of the late Mr. Arnold Baiss), saying how greatly touched the family had been by the kind letter of condolence received, and asking him (Mr. Devitt) to convey to all the members of the drug-trade their thanks for sympathy in their great loss.

ALOE.—Of Cape only a few sales were made at fully steady prices, the demand being for common grades, comprising Mossel Bay (usual 20 per cent. tares) hard dull to dullish seconds 28*s.* to 23*s.* 6*d.*, soft seconds, part dull, 28*s.*, and fair seconds 30*s.* to 30*s.* 6*d.*; good firsts were held at 34*s.* Privately the scarcity of Curaçao continues, and it is reported that almost 80*s.* has been paid for livery, while ordinary is quoted 75*s.*

The exports from the Union of South Africa during July amounted to 11,897 lb. (84*l.*), against 66,453 lb. (667*l.*) during July 1914. For the seven months ended July 31 the exports were 318,499 lb. (2,400*l.*), against 628,763 lb. (6,936*l.*) for the corresponding period of 1914.

AMMONIACUM.—Seventeen cases of good small pale drop, part blocky, sold at from 62*s.* 6*d.* to 65*s.* per cwt., subject to seller's approval, but subsequently only the sale at the higher price was confirmed. A bag of dark blocky and drossy went at 20*s.*

BALSAM TOLU was about 2*d.* per lb. cheaper, eight cases of fairly hard, part drossy, selling at 1*s.* 7*d.*

BENZOL.—Steady; 20 cases of common streaky Sumatra seconds, but of desirable storax flavour, sold at 6*l.* 5*s.* per cwt., and from another catalogue 4 cases sold at 7*l.* for rather better-packed gum.

BUCHU.—Steady. A single bale of fair round, slightly stalky and yellowish, sold at 4*s.* 6*d.* per lb.

The exports from the Union of South Africa during July amounted to 1,101 lb. (98*l.*), against 1,751 lb. (175*l.*) during July 1914. The seven months' exports ended July 31, 1915, were 123,323 lb. (19,088*l.*), against 140,495 lb. (26,347*l.*) for the corresponding period of 1914.

CARDAMOMS.—Fine Ceylon-Mysore quality, being scarce, sold at full prices, but other descriptions were flat. Extra bold pale sold at 5*s.* 10*d.* to 6*s.* 1*d.*, medium to bold ditto, 3*s.* 10*d.*, small pale 1*s.* 9*d.*, extra bold pale splits 4*s.* 8*d.*, bold splits 2*s.* 9*d.* to 3*s.*, brown and split pickings 1*s.* 7*d.*, seed 2*s.* 3*d.*; privately 2*s.* 6*d.* has been paid for seed, and less was refused in auction. The new Ceylon export-duty on cardamoms is 750*c.* (10*s.*) per 100 lb.

The exports from Ceylon during the period January 1 to September 6, 1915, amounted to 335,337 lb., against 280,157 lb. for the corresponding period of 1914, or 55,180 lb. more. The chief destinations were: U.K., 211,900 lb. (1914, 138,409 lb.); U.S.A., 87,682 lb. (1914, 49,411 lb.); India, 9,669 lb. (1914, 7,139 lb.).

CASSIA FISTULA.—Dearer, 12 bags bold, partly wormy. Dominican selling, with competition, at 41*s.* per cwt.; privately sound is quoted 45*s.* to 46*s.*

CINNAMON OIL.—Four cases Ceylon *leaf* sold at 3*s.* 4*d.* per oz.

DRAGON'S BLOOD.—Firmer, three cases of reboiled Singapore lump (quality not being so prime as formerly for this grade) selling at 19*l.* per cwt., and seven cases pickings at 7*l.*

ELEMI.—Five cases fair pale sold at 54s.

GUAJACUM sold at cheaper rates, nine barrels of ordinary to fair block selling at 7d. to 9d., and partly drossy at 6d.

GUM ACACIA.—A lot of 75 bales small to bold hard glassy amber and red Sudan sorts were retired at 65s.

GUM ACCROIDES.—A lot of 227 bags Australian yellow block was bought in at from 50s. to 60s. per cwt.; the lot will no doubt be sold privately as bids had been made. There is an outlet for war-purposes.

HONEY sold at irregular but generally easier rates. Of Jamaica, 142 packages practically all sold, including fair pale to palish set in barrels at 34s. to 35s., brown set and setting 30s. to 32s., dark to darkish brown liquid 27s. to 29s.; 224 3 to 3½ cwt. casks offered, of which about 70 sold, including fine white set 41s., pale and yellow set 37s. 6d. to 36s., hard brown set 34s. 6d., good amber liquid 35s., fair brown ditto 32s. A further 28 barrels sold, subject to seller's approval, including fair brown set and setting at 29s., and middling dark to inferior dark-brown liquid 26s. 6d. to 23s. 6d.; 62 packages Haytian sold at from 34s. to 36s. 6d. for fair to good yellowish to pale set and setting, 31s. to 31s. 6d. for brown setting, 27s. to 29s. for yellow set, and 30s. for fair red liquid. Of West Indian, 10 packages sold at from 24s. to 28s. 6d., including Dominican dark-brown liquid in tins and cases; 91 packages San Domingo sold at 24s. to 26s. for very dark to dark liquid; middling to fair brown liquid, 27s. 6d. to 29s.; ordinary to fair brown set and setting, 26s. 6d. to 28s.

IPECACUANHA.—Dearer. In auction 7 bales Matto Grosso offered, and 3 sold, comprising fair, part mouldy, at 13s. 8d. and sea-damaged at 12s. 8d.; bright fair sound was retired at 15s., a bid of 13s. 3d. being refused. It is difficult to know what the selling-price is privately from first-hands, but dealers have sold single bales at 15s. this week. Johore from first-hands has been cleared at up to 13s., but another parcel is on the way. Both Cartagena and Minas are scarce and wanted; 12s. 6d. would be readily paid.

KOLA.—In large supply and tending easier: 4 bags dull, part mouldy, Ceylon sold at 4½d.; fair dried Ceylon and West Indian halves were obtainable at 7d.

LIME OIL.—A single case of West Indian distilled sold at 7s. 6d. per lb.

RHUBARB.—Rather more than usual sold, including a lot of 60 cases common medium to bold flat round horny High-dried, with half-greyish and half-dark fracture, partly wormy, without reserve at from 4½d. to 5½d. per lb., being cheap. Under usual conditions 6 cases medium round horny High-dried, with three-quarters fair pinky fracture, sold at 6½d., and a case of Shensi pickings went at 3s.; the value of good Shensi pickings is 3s. 6d. Two cases of small round and druggists' trimming Shensi sold at 5s., subject. A case of medium to bold flat High-dried, with three-quarters fair pinky fracture, went at 1s. 3d., and 2 cases of medium round horny High-dried, with three-quarters good pinky fracture, sold at 8½d., subject. Several bids are to be submitted for various parcels of High-dried.

SARSAPARILLA was offered in larger quantities than usual, and, with the exception of Lima and Vera Cruz, very fair supplies exist. Steady prices were paid for a string of 45 bales grey Jamaica—viz., from 1s. 7d. to 1s. 9d. for ordinary part coarse to good fibrous, and 1s. 4d. for coarse and dark. A bale of press-packed red native Jamaica sold at 11d. Honduras was bought in at from 1s. 6d. to 1s. 10d., as to quality. Privately 9½d. to 10d. is quoted for Vera Cruz, and sales are being made frequently at these figures.

SENNA.—Timmely leaf sold at very irregular rates, common grades being 1d. per lb. cheaper. The following prices were paid: Medium to good bold green clean, 7½d. to 8½d.; bold yellowish green, 6½d. to 7d.; middling greenish, 5½d. to 6d.; common to ordinary small yellow, 4d. to 4½d.; inferior small sea-damaged yellow leaf, 3½d. to 3¾d. per lb.; dark to fair pods, 4½d. to 4¾d. per lb. Of American, 3 cases good clean green leaf were retired at 2s. 3d., a bid of 1s. 10d. being refused, and for three-quarter leaf 1s. 2d. was refused.

TEREPHTHIC.—A lot of 103 bags sold without reserve, including Madras finger, slightly wormy, at 14s. 6d. to 15s. 6d., and damaged 1s. to 8s.

VARIOUS DRUGS.—Fifteen cases Japanese refined 2½-lb. Camphor slabs were limited at 1s. 6d., and 10 bales fair bright Chiretta at 7d.; 60 bags fair *Cocculus Indicus* were held at 20s. per cwt. Ten cases ordinary *Kamela* were bought in at 11d.; the value privately of good bright is 11d.; 32 bales Japanese *Valerian* were retired at 60s., and 20 cases Chinese *Galls* at 50s. Three bales *Black Haw* bark offered, of which two had been sold privately, 9½d. being wanted for the remainder.

WAX, BEES'.—Quiet. Bleached Calcutta had been sold privately at 9d., being steady. A case of good yellow Grenada realised 7d. 10s., and a bag of fair pale small Mozambique ball went at 7d. 5s. Five bales yellow Portuguese realised 7d. 2s. 6d. per cwt.; Jamaica hangs fire at 8d. per cwt.

Heavy Chemicals.

Manchester, October 6.

The market is exceedingly firm, and quotations are well maintained, both on home and export account. Bleaching-powder is more or less nominal. Only small quantities of Canadian and American potashes are offering on spot. Bichromate of soda is in better demand. Nitrate of potash is quoted at about 46d., and sulphate of potash at 37d. per ton. White powdered arsenic is exceedingly scarce, and ranges from 31d. to 36d. 10s. per ton, Manchester, when delivery can be obtained. Refined sulphuric acid steady at 5d. 10s. to 6d. 10s. per ton for 167° to 170° Tw. on rails. Sulphate of copper is firm, although there is a quieter feeling in the raw metal, at 29d. 5s. to 29d. 7s. 6d. per ton, Manchester. On spot, lead-products are at the minimum of production. White acetate is 60d. per ton, brown 45d., and nitrate 58d. 10s.; quotations are not obtainable locally. Brown acetate of lime is 16d. 10s., and grey 23d. 10s. c.i.f. Methylated spirit, 40°, industrial, around 2s. per gal. Solvent wood-naphtha, 3s. 7d., and miscible, 3s. 1½d. Tannic acid, commercial, 2s. per lb., owing to the Government embargo. Benzols and carbolic acid remain scarce, and prices are nominal. Croosote is quiet, with little new business. Sulphate of ammonia has had a turn for the better, and is higher at 14d. 10s. to 14d. 12s. 6d. per ton, on rails, Manchester; for forward delivery higher prices are quoted.

Continental Drug and Chemical Markets.

The following notes chiefly refer to the Hamburg market up to September 18:

BORAX AND BORIC ACID.—In spite of higher prices, the demand is good. Makers are only delivering small lots to their regular customers, and second-hands control the market. Borax is m.180 to m.185, and boric acid m.265 to m.270 per 100 kilos.

CITRIC ACID (Berlin, September 19).—Business has come to a complete standstill, and prices are easier at from m.700 to m.750 per 100 kilos, from second-hands.

COLLODION (Berlin, September 19).—Owing to the general increase in the producing costs, the price of P.G. is considerably higher, and is quoted by the makers at m.220 to m.225 per 100 kilos.

COUMARIN (Berlin, September 19).—The difficulty of obtaining raw material has led to a renewed increase, the price being from m.42 to m.50 per kilo.

ERGOT.—The market is firm, with small stocks; Russian is m.6.50 and Spanish m.7 per kilo.

HYDRASTIS.—Some unimportant sales have been made; consumers, in view of the high prices, are only buying from hand to mouth at from m.60 to m.62 per kilo.

IPECACUANHA is quiet, but firm; Cartagena is m.37 to m.38 and Rio m.40 to m.41 per kilo.

PHENACETIN (Berlin, September 19).—An increase of about 20 per cent. has taken place, to-day's price being m.820 to m.830 per 100 kilos., with usual reduction on contracts.

SENEGA is comparatively cheap at from m.660 to m.675 per 100 kilos.

TARTARIC ACID remains unchanged, with small sales at m.6.50 per kilo, from second-hands.

THYMOL remains at m.70 per kilo.

Java Coca.

In moving the adoption of the annual report at the meeting of the Djaboong (Java) Rubber Co., Ltd., the Chairman said that the market in coca, which they anticipated would have been a fairly good one, has been practically stopped. The large works making cocaine were principally in Germany, and it has not been taken up to any extent elsewhere, so that the company stored on the estate a large quantity of their coca, the value of which was estimated at 20½c. per half-kilo. The company have a considerable quantity in Amsterdam, part being held by the Netherlands Oversea Trust, and the remainder is deposited in other warehouses awaiting sale. Some small parcels had been sent to Japan. In reply to questions, the Chairman said that the value of the coca was something like 950l. net. There had been some talk of starting cocaine-factories in Java, but the machinery had to be got from Germany, and that had been postponed. He would not at all be surprised if the Japanese did something with the produce, but it astonished him that some English manufacturing chemists did not take the matter up. [With the shortage of labour English manufacturing chemists have more business than they can tackle.—Ed.]



Prices of Tabloids.

The Members of an Association of Pharmacists (247/5) ask us "to arrange to obtain and publish weekly a list of the prices of the products of such firms as Burroughs Wellcome & Co. Lately the prices of some of their tabloids have been greatly advanced, and the ordinary pharmacist is quite in the dark until he has to order more, while perhaps a pharmacist in the same town does happen to know of the advance, and may be selling at a higher price in consequence. This leads to confusion in the public's mind."

Sanussin (241/2), writing on the same subject on September 28, says: "Last week I sold a customer a bottle of phenacetin tabloids, 5-gr., and 5s. 10d. was charged. The customer protested at the price, and a day or two later brought a bottle which he had that day purchased from the Army and Navy Stores, London, for 4s.; also another bottle from Gamage & Co., purchased for 4s., and now he complains of being robbed. The price for these phenacetin tabloids is now 8s. 9d. per 100, and since this advance I have purchased a bottle from a chemist in this town at 5s. per bottle of 100. This question of B. W. & Co.'s alterations in prices has been discussed in the meetings of various Chemists' Associations, and the makers are under an obligation to the trade to publish such alterations in price, as occasion requires, in the trade papers, or at least to notify retailers by post." This correspondent mentions eleven products which have been altered in price since June 1, 1915.

[We have had a conversation with Mr. Geo. E. Pearson, general manager to Burroughs Wellcome & Co., in regard to this matter, which has been receiving the firm's earnest attention. Like all other manufacturers of pharmaceutical products, they are buyers of raw materials which since the beginning of the war have advanced in price from day to day, with the result that the prices of some "tabloid" products advance in sympathy. Mr. Pearson mentioned quinine sulphate as an instance. Last week's *C. & D. Trade Report* gave the price of this on September 30 (afternoon) as 2s. 0½d. per oz. in second-hands; by Friday morning it had advanced to 2s. 2½d., and as we go to press we find that further advances have occurred. The "Alterations in Prices" issued by the firm on June 1 was a twelve-page list, and was sent to many thousands of buyers, at a very high cost, but before its distribution was completed many of the prices (which were "without engagement, and subject to alteration without notice") had changed, so that the list became practically useless. Consequently the firm confine their notifications of changes to the time when goods are actually sold, and every invoice has the word "advanced" stamped against items recently advanced. The firm have had correspondence on the subject with individual chemists and local Associations, and are thus aware that a certain lack of uniformity exists in retail prices; but, in view of the exceptionally abnormal conditions of the times, they express the hope that the trade will recognise that if any practical solution of the difficulty arises it will not be neglected. See also p. 38. *EDITOR C. & D.*]

Keeping "Tag" on Prices.

SIR.—Chemists are experiencing much difficulty in keeping themselves right up to date with current prices. The increased cost of many proprietaries is not known until a further stock is obtained, and, owing to delay in invoicing, even then they may not until further sales have been made at the old prices. When reductions do take place the retailer will have to adopt the lower figures at once; therefore, logically, he should get the extra profit now to compensate for the loss which is to come. Particularly does this apply to branded drugs, such as tabloids and palatoids. Chemists should receive much more frequent intimations as to the new prices than has been the case lately, but to send out notices as often as they are needed would mean a big expense to the proprietors without any corresponding advantage. I would like to publicly suggest to them that they should use a portion of their advertising-space in the trade journals weekly, so that every chemist in the land would then be *au fait* with the latest changes. The same remarks apply to "patents." The first house to publish by such means a comprehensive and up-to-date list of alterations from the latest edition of that firm's price-list will be conferring a boon on chemists generally, and be securing a fine advertisement.—Obediently yours,

EDGAR JONES.

Hon. Secretary, Brighton and Hove Association of Pharmacy.

The Drug Tariff.

Nomen (243/36) deprecates the observations by "Xrayser II." on the Departmental Committee's Report (*C. & D.*, September 25, p. 63). He says the Committee's "scheme does not show the slightest appreciation of the highly specialised training required for carrying on our trade, or of the enormous responsibility resting upon the pharmacist who works under the Act. An ordinary working man is worthy of his hire, but no labourer in the country would dream of accepting such wages as the Government would offer us under the new Tariff. . . . Suppose the pharmacists threw the whole business over, and that the Government offered the work to the doctors: would they accept it at the same prices? And if they would not, why should we?"

[The trouble is that many doctors *do* want to get back the dispensing at the price offered—2s. per head, and if they got it Mr. Lloyd George's only guarantee as to the best drugs would go.—*EDITOR C. & D.*]

SIR.—The article "The Drug Tariff" in your current issue seems to call for a few comments. The Pharmaceutical Society, you say, deprecates criticisms of the proposals of the Departmental Committee, while you deprecate its attitude on the same question. Personally, I am quite satisfied with the Society's lead on this, and quite dissatisfied with yours, and am fully prepared to tolerate any amount of censorship by the Society so long as, in its opinion, it seems desirable to set it up, at a delicate and critical moment. You yourself admit that "something has happened. What it is you do not know." I should therefore suggest to you, in the pharmaceutical political sense, "Wait and see." No doubt you are possessed of the best of motives in behalf of panel chemists throughout the country, but I do think, if you will allow me to say so, it is in the highest degree undesirable to attempt to give any lead away from that of the official body, which has this matter specially in hand. As you well know, never was there a time when the chemists of this country should act as one man and follow the lead of the only body which can be of any real use to them in this and other matters pertaining to true pharmacy. By all means let us have criticism, constructive and destructive, of the Society when necessary, but let it be tempered with the advice that a son might give to his father.

Yours sincerely,

Sydenham, S.E., October 1

J. Y. FAIRWEATHER.

SIR.—The fatal blot on the Departmental Committee's Report is that when the facts and figures are worked out on a comparative basis it is found that the panel chemist would, under the proposals made, be much worse off than he is at present. Even assuming that in future there will be no discounting, I make bold to say that there is not a chemist in the country who will not lose heavily by his Insurance business, and in so far as certain areas are concerned he will be placed in a very serious position indeed. Several correspondents have proved this clearly, and it is, I think, admitted even by medical men themselves when you can get them to discuss the position seriously. One great source of the trouble is the inadequacy of the establishment charge. I should like to see the figures on which this is based, for I am convinced that there are serious flaws somewhere. I remember many years ago a large firm in a provincial city, who took the trouble of investigating the relative profits obtained from dispensing as compared with their retail business. There was no difficulty, as the dispensing was sufficient to keep several hands going constantly. The result of the investigation was that, even with the large dispensing prices then ruling, the profit from the dispensing department was so small compared with the rest of the business that the owners declared that they would as soon see no prescriptions at all. In face of this experience, I am tempted to inquire how the overhead charges were apportioned in coming to a decision as to the establishment charge. Was the comparison made on the time involved, or the value of the business done? If the former, the result is demonstrably ridiculous; if the latter, it needs only to be stated for the whole scheme to collapse from its inherent absurdity.

Yours truly,

M.P.S. (247/65.)

He Wants Morphia.

SIR.—A young fellow of twenty-two, a well-spoken youth of delicate aspect, has, I find, been recently obtaining by fraud from chemists in South-West London hypodermic syringes and tubes of morphia, cocaine, and other drugs. His procedure is to produce a written order purporting to come from me and bearing my name, signed in his own writing. So far as I am aware, he has up to now paid for the goods obtained, stating that I had given him money for the purpose. The youth is known to me as belonging to a family whom I attend, and he admits having acquired the morphia-habit several months ago. As the result of a telephone message from one chemist I caught him in the act of purchasing hypodermic tablets of morphia, and

warned him that I should take proceedings should the fraud be repeated. As he is apparently still forging my signature in the way described, I shall be much obliged if you will kindly publish this letter, and I should be glad if any chemist who may be approached in the matter will communicate at once with me.—Yours faithfully,

Balham, S.W. EDWIN SMITH, M.D. Lond.

Veterinary Risks.

SIR.—I invariably peruse your answers to inquiries with advantage. I am interested in your reply to "A Nottinghamshire Subscriber." For his benefit I enclose a formula for worm-drinks, with label and particulars, which he can recommend with every confidence. For veterinary purposes my opinion is that ol. tereb. will do quite as much good without ext. filicis maris as with it, and it is far less expensive. Arsenic, in spite of your statement as to its doubtful value, is at the present time the vogue for parasitic worms in sheep. Cooper's tablets, which contain arsenic, are largely advertised, and Mr. Harold Leeney, the veterinary correspondent to the "Farmer and Stock-breeder," praises it highly and publishes a formula for arsenical tablets, which can be obtained in bottles from the Standard Tablet Co., with printed instructions for administration; but anyone selling these remedies must recognise the risks he runs, because, if from inadvertence or stupidity on the part of the shepherd fatal results ensue, the vendor may very well be held responsible for considerable damages. This liability accentuates the arguments in favour of a veterinary fund to defend ourselves against claims for losses which arise from no fault on the part of the chemist, nor of the remedies he supplies, but purely from the carelessness of the person in charge of the animals. My experience is that it is of little service to appeal for assistance to the veterinary surgeon: professional jealousy and the opportunity to score off the chemist rather prompt him to favour the claimant, who is possibly a client, rather than the defendant, the chemist, whom he frequently regards rather as an opponent than otherwise. If Jay Mack had to conduct a country business, he would find that, despite his cheap sarcasm on self-imposed burdens, it is impossible to avoid running up against these liabilities occasionally. I trust the matter of insuring against the risk will not be lost sight of in the excitement over increased patent-medicine duties. The C.D.A. should undertake to cover the risk for a reasonable figure. A country chemist does not involve one-tenth of the liability to the fund for dispensing errors that a chemist dispensing thousands of Insurance prescriptions does, but he pays the same subscription, and it is only fair that he should have some consideration and defence against the liabilities which may occasionally happen to him. I want strongly to impress upon country chemists that these risks do exist, and to urge them to recognise the importance of combining so as to insure against them as far as possible. Trusting the danger will be recognised and a defensive scheme be adopted,

Yours faithfully,

AGRICOLA. (246/46.)

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

The Doubled Medicine-duty.

"Where are we? On Tuesday night, at 9.30, I receive the official notice, and on Wednesday morning, at 8.30, an unofficial notice not to stamp. Where are we? After laying in a stock of stamps and commencing to stick them on some of the most saleable lines! The answer is the same as usual with our profession: in the cart."—R. J. Morgan (King's Cross).

J. Howard Llewellyn (Oswestry) asks: "Should chemists appeal to Chancellor to get provision to read 'that extra duty does not apply to retailer's own compounded speciality, made and sold on his premises'? The Government's intention was probably not to get at the small chemist's own-made cough-mixture to the tune of a 25-per-cent. tax."

["Known, admitted, and approved remedies" are not touched by the doubled duties, and "small chemists" should leave well alone, as they are better off than they are likely to be if the dutiable-medicine law is modernised.—EDITOR C. & D.]

An Appeal.

"Many of your readers will probably have seen an appeal made in the daily Press by the Ladies' Territorial Committee, of 75 Chancery Lane, London, W.C., for cast-off gloves and discarded leather coverings of chairs and sofas. From these they ingeniously manufacture windproof undercoats for our fighting men, which are in great request. I have seen these undercoats, and can vouch for their

practicality. Many thousands are wanted, and I hear the output is threatened by a dreaded shortage in the available supplies of old gloves. It occurs to me that many chemists might be able to help these ladies with pieces of leather such as I have found among my own stores, the cuttings from the plasters used by a more luxurious generation than our own. Yesterday I sent a parcel of such cuttings to 75 Chancery Lane, and hear they are eminently suited to the purpose. The ladies describe themselves as 'the daughters of the horse-leech crying, "Give, give us more."' On October 27 there is to be an exhibition of the making of these waistcoats at Grosvenor House, to which Queen Alexandra has graciously given her patronage, where undercoats made from all kinds of leather scraps will be on view. If you, Sir, will kindly give publicity to this fact I believe much such material could be found lying stored away as useless."—W. F. Pasmore (320 Regent Street, W.)

Husk and Worm Drinks.

(For Sheep, Lambs, and Calves.)

The following are the formula and label sent by "Agricola," as mentioned in his letter on Veterinary Risks on a previous page:

Pulv. curcumæ	...	...	...	5iv.
Ferri sesquiox. rub.	...	...	...	5iv.
Tr. opii aquos.	...	...	...	5vij
Chloroform. meth.	...	...	...	5ij.
Liq. ammon. fort. (0.880)	...	...	...	5iiss.
Acid. carbolic.	...	...	...	5lj.
Aquæ	...	...	...	Cong. ij.
Ol. terebinth.	...	...	...	Ovj.
Pulv. tragac. co.	...	...	...	5xij.
Spirit	...	...	...	Oj.

Make a mucilage with the pulv. trag. co., spirit, and 7 pints of water *scc. artem.*, add the turpentine to this gradually, mix in the other ingredients, and make up the finished product with water to 4 gals. Dose: For sheep and calves, 3 oz.; for lambs, 1½ oz.

Directions.—The flock to be penned up at night where no food can be obtained, and a measured bottleful to be given to each sheep an hour before turning out in the morning. For lambs half a bottleful only, to be repeated every third day until the cough and other symptoms disappear.

Caution.—The person administering the drink should be careful to observe that the animal keeps on working the tongue and swallowing the drench: not to push the bottle too far into the mouth, and if the sheep or lamb struggles violently to stop the drenching for a minute or two to allow the animal to regain its breath. It is an easy matter to cause choking if these precautions are not observed, otherwise the administration is safe and easy.

Answers to correspondents and some more letters are unavoidably held over this week.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," October 14, 1865.

United Society of Chemists and Druggists.

The following report has been forwarded to us for publication: "A meeting of the Executive of the Society was held on Thursday, the 5th instant, at their offices, 20 New Ormond Street, W.C., when much important business was brought under consideration. Present: Mr. Henry Matthews, F.C.S., Chairman, and Messrs. Freeman, Padmore, D'Aubney, Baumgarten, Penfold, Bernardini, Tidman, Saph. Wellspring, and Wade. The resignation of Mr. Alderman Dakin, the late President of the Society, was formally laid before the Committee, and the Secretary was instructed to express to the worthy Alderman their regret on receiving his resignation, their cordial thanks for his services, and their good wishes for his future health and prosperity. Mr. Miller, on tendering his resignation as a member of the Executive Committee, assured his brethren that he was deeply interested in, and willing to contribute to, the progress of the Society. The annual festival of the Society was decided upon, and every gentleman present pledged himself in the capacity of a steward for the dinner to exert himself to secure its success. The Secretary then gave a narrative of his provincial tour. . . . When this narrative was concluded various matters of business importance had the attention of the Committee, who, with an understanding that the future policy of the Society should be defined and promulgated without delay, then separated after a unanimous vote of thanks had been awarded to Mr. Matthews for his important service in the chair."

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EMETINE HYDROBROMID. (Whiffen's)**For Hypodermic Injection.**

May be obtained, by ordering Whiffen's Brand, from all Chemists and Wholesale Drug Houses in the United Kingdom and Abroad.

WHIFFEN & SONS, LIMITED, BATTERSEA, LONDON, S.W.**The New Remedy in Amoebic Disease.**—*Vide British Medical Journal*, Aug. 24, 1912, pp. 405-408.**Emetine for Hæmoptysis.** *Vide Press Médicale, Paris*, September 24.—"The result is surprising, hæmorrhage from the lung ceasing at once."—Prof. C. FLANDIN.

Telephones—254 and 255 BATTERSEA.

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CARBONATE, CALCINED AND FLUID.

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London Agents—Messrs. CLIFFORD CHRISTOPHERSON & CO., 21 Mincing Lane, London, E.C.

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for a tin or tube of **SMOKER'S TOOTH POWDER** or **CREAM** don't let him go away with an article that is only so labelled. Unless the article is exceptionally good and is highly efficient, he will be dissatisfied, and you stand to lose a customer. In short, be on the **SAFE** side and

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GIVE HIM ONE OF THE
"T.M." SMOKER'S DENTIFRICES
IN POWDER . . .
OR CREAM FORM

These are **REAL** Smoker's Teeth Preparations, upon the efficiency of which a doubt cannot be cast, because they are made to formulae that **HAVE** the desired effect upon smokers' teeth, making them perfectly smooth and clean, something that actually takes away "tongue bite," "tobacco mouth," and gives a neutral mouth, at the same time they render the entire oral cavity antiseptic for some time after each application.

BEAR IN MIND

that you have the confidence of your customer, and naturally he is judging you by the recommendation you give. By asking him to try "**T.M.**" you are cementing that bond of friendship closer because **HE IS SURE** to be pleased.

50%
ON
COST

"T.M." TOOTH
PASTE IN $4\frac{1}{2}$ " by
1" TUBES, ON
P.A.T.A., 10½d.
EACH. ADVT'D
ONE SHILLING.

COSTS
7/-
DOZEN



COSTS
2/3
DOZEN

"T.M." TOOTH
POWDER IN EN-
AMELLED TINS.
P.A.T.A. 4½d.
PERTIN. ADVER-
TISED SIXPENCE

100%
ON
COST

From the above you will see the profit end is not neglected, and as we told you in our last advertisement, our media embrace papers with huge circulations like "John Bull," "London Opinion," "The Passing Show," etc., it naturally follows that when these goods are shown sales follow. To help you to make good we send

WINDOW and COUNTER ADVERTISING MATERIAL with all ORDERS.

If you have tried the selling ability of "**T.M.**" PREPARATIONS then mayhap your stock wants replenishing. If not, may be you would like to give your friends these **REAL** Smoker's Tooth Preparations that do all that is claimed, and give you proper remuneration for your trouble.

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LANE,
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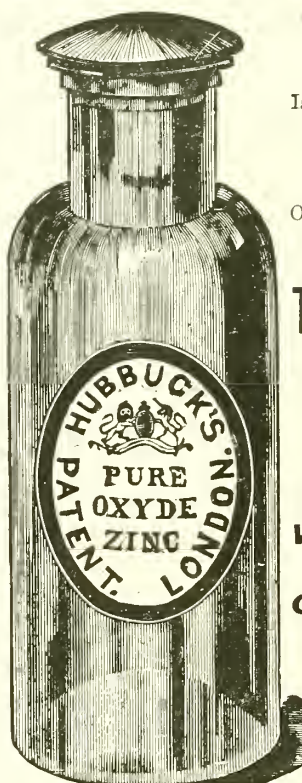
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Dose: 1 to 3 Tablets at bedtime. Price 4/6 per box.

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A Remedy against Diseases of the Liver. Used in the Treatment of Malaria, Cirrhosis of the Liver, etc.
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A Treatment for Intestinal Disorders. Effective in Diarrhoea. Prevents Appendicitis and Infectious Diseases.
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A Standard Treatment for Diseases peculiar to Women. Regulates the blood function and prevents the disorders attending the Menopause.
Dose: 8 Tablets per day between meals. Price 10/- per bot.

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A Vaginal Antiseptic Agent. To be used twice daily for sex hygiene.
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The Gauzes are packed in compressed bales ready for
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When the prices of nearly all sedatives and hypnotics have advanced considerably, we may
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NEPENTHE in 2 oz., 4 oz., 8 oz. and 16 oz. bottles.

GLYCEROLE OF NEPENTHE (eight times the single strength) for hypodermic injection. In 1 oz. bottles.
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No substitute may be dispensed when "Nepenthe" is ordered in a prescription.

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PURE ORANGE WINE

VINUM AURANTI, B.P.

Prepared in strict accordance with the Formula of the British Pharmacopœia.

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N.B.—Prices quoted herewith are for preparations according to the New Pharmacopœia, 1914.

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Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this Paper on Terms as below.

N.B.—We would draw attention to the fact that all prices quoted herein are subject to alteration without notice, and that where stocks are limited preference is always given to our regular customers.

Acetanilide, B.P., 1 lb. @ 6/3 lb.; powder, 1d. lb. extra.

*Acet. Ipecac., B.P., 7 lbs. @ 2/2 lb.

" Scilla, P.B., 7 lbs. @ 5d. lb.

*Acetone, 6 lbs. @ 2/3 lb.; 1 lb. @ 2/8 lb.

*Acid. Acet. Glacial, 99%, Carboys. 132 lbs. @ 11/6-; 12 6-lb. bots. @ 1/3 lb.; 6 lbs. @ 1/4 lb.

" Acetylo-Salicyl. 1 lb. @ 54/- lb.

" Benz, B.P., 7 lbs. @ 12/- lb.; 1 lb. @ 12/6 lb.

" Boric Pulv., 3 cwt. @ 43/6 cwt.; 1 cwt. @ 44/- cwt.; levigd. 3/- cwt. or 3d. lb. extra.

" Carbol. Xtls., 39/40; 55 lb. drums @ 2/1 lb.; 12 1-lb. bots. @ 2/4 lb.; Single Bots. @ 2/6 lb.; Detached Cryst. 1 lb. @ 2/8 lb.; Crude Black, 45 gall. casks @ 1/- gal.; 5 gall. drums @ 1/6 gall.; 1 call. tins @ 1/11 each.

" Citric, cryst., B.P.'85, 7 lbs. in bags @ 3/7 lb.; powder 3d. lb. extra.

" Diethylbarbituric, 1 oz. @ 3/6 oz.

" Gallic, pur., P.B., 7 lbs. @ 4/3 lb.; 1 lb. @ 4/6 lb.

" Hydrochlor. Coml., cases of 4 2-gal. jars, 26/6 each; 20 case lots @ 25/6 each.

" Hydrocyan. P.B., 6 lbs. @ 1/6 lb.; 1 lb. @ 1/9 lb.; 36 1-oz. Vials @ 6/6 doz.

" Oxalic Cryst., 1 cwt. @ 1/2½ lb.; 14 lbs. @ 1/3½ lb.

" Phosph. Dil., B.P., 7 lbs. @ 5d. lb.

" Salicyl. pulv. 1 lb. @ 17/- lb.

" Sulphur, Coml., cases, 4 2-gal. jars, 30/- each; 20 cases @ 29/6 each.

" Sulph. Aromat. B.P., 5 lbs. @ 4/- lb.

" Tannic, B.P., 1 lb. @ 5/1 lb.

" Tart., cryst. or pulv. B.P., 1885, 7 lbs. @ 2/6 lb.; parv. 3d. lb. extra.

Adeps Benz., B.P., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.

*Ergo. Eris Pulv., 14 lbs. @ 11d. lb.

Aloes Barb., English ground, 28 lbs. @ 112/- cwt.; 7 lbs. @ 1/1 lb.

Aloes, Socot. 7 lbs. @ 1/5 lb.; powder, 7 lbs. @ 1/6 lb.

Alola, B.P., 1 lb. @ 5/6 lb.

Ammon. Benz., 7 lbs. @ 12/- lb.; 1 lb. @ 12/6 lb.

Ammon. Brom. P.B., 7 lbs. @ 12/9 lb.

Ammon. Carb. lump, 3 cwt. @ 5½ lb.; 28 lbs. @ 7d. lb.; 7 lbs. @ 7½ lb.; powder, 3d. lb. extra.

Ammon. Chlor. 99% pulv., 1 cwt. @ 48/- cwt.; 7 lbs. @ 6½ lb.; Batteries, 4/- cwt. extra.

Amyli Pulv., 10 cwt. @ 16/- cwt.; 2½ cwt. @ 16/8 cwt.; 1 cwt. @ 18/6 cwt.

Aniseed, English ground, 1 cwt. @ 60/- cwt.; 7 lbs. @ 7d. lb.

Antim. Nig. Pulv., 1 cwt. @ 84/- cwt.; 14 lbs. @ 89/- cwt.

Antim. Tart. pulv. 7 lbs. @ 3/6 lb.

Aplol, 1 lb. @ 29/- lb.

*Aqua Anethi Conc. 1-40, 1 lb. @ 3/2 lb.

" Anisi Conc. 1-40, 1 lb. @ 3/4 lb.

" Aurant. Conc. 1-40, 1 lb. @ 6/4 lb.

" Aurant. Trip., 6 lbs. @ 8d. lb.; 53 lbs. for 23/-

" Cinnamon. Conc. 1-40, 1 lb. @ 3/7 lb.

" Laurocerasi, 6 lbs. @ 8d. lb.

" Menth. Pip. Conc. 1-40, 1 lb. @ 3/3 lb.

" Rosæ Conc. 1-40, 1 lb. @ 7/3 lb.

" Rosæ Trip., 53 lbs. for 25/-, 6 lbs. @ 8d. lb.

" Samb. Conc., 1-40, 1 lb. @ 6/4 lb.

" Samb. Trip., 6 lbs. @ 8d. lb.

Araroba, fine powder, 7 lbs. @ 8/- lb.; 1 lb. @ 8/6 lb.

Argent. Nit., 6's to oz., 25 oz. @ 1/10½ oz.; 1 oz. @ 2/1 oz.

Argent. Nit., Cryst., 25 oz. @ 1/9 oz.; 8 oz. @ 1/10 oz.

Arsenic, Alb. Pulv., 2 cwt. @ 34/- cwt.; 7 lbs. @ 4½ d. lb.

Atropina Sulph., P.B., 1 oz. @ 115/- oz.

Auri Chlor., 6 doz. 15 gr. tubes @ 21/3 doz.; 1 doz. 15 gr. tubes @ 21/6 doz.

Bala. Copalba, pure, 44 lbs. @ 1/10 lb.; 9 lbs. @ 2/1 lb.; 1 lb. @ 2/5.

" Peruv., P.B., 1 lb. @ 20/- lb.

" Sulphur, 7 lbs. @ 9d. lb.

" Tolut. B.P., 50 lbs. @ 2/3 lb.; 1 lb. @ 3/1 lb.

Bismuth, P.B., Carb., 7 lbs. @ 14/6 lb.; 3 lbs. @ 14/9 lb.; 1 lb. @ 15/- lb.; subnit. same price.

Boracic Mixture, 1 cwt. @ 50/- cwt.

Borax, 1 cwt. @ 26/6; powder 1/- extra.

Butyl-Chloral Hydras., P.B., 1 lb. @ 45/- lb.

Caffeine, P.B., 1 lb. @ 26/6 lb.

Caffeina Cit., B.P., 1 lb. @ 18/6 lb.

Calamina, powder, fine pink, 5 cwt. @ 11/6 cwt.; 1 cwt. @ 12/6 cwt.; 7 lbs. @ 2d. lb.

Calamine, B.P., 1885, 7 lbs. @ 1/- lb.

Calcil Carb. Præcip., 5 cwt. @ 14/6 cwt.; 1 cwt. @ 18/6 cwt.; 28 lbs. @ 22/6 cwt.

" Hydras., P.B., 1 cwt. @ 25/- cwt.; 7 lbs. @ 5d. lb.

" Hypophosph. Pur., P.B., 1 lb. @ 2/5 lb.

" Iodid., 1 lb. @ 23/- lb.

Camphor, English Flowers, "not artificial," 5 lbs. @ 2/5 lb.; ½ oz. or ¼ oz. 7 lbs. @ 2/6 lb.; good white, about 95% as imported, 140 lbs. @ 1/9½ lb.; 28 lbs. @ 1/10½ lb.

Cantharides, Russian, 7 lbs. @ 14/- lb.; powder 6d. lb. extra.

Capsicine, soluble, 1 lb. @ 9/6 lb.

Carbo Animalis or Linal, powder or lump, 1 cwt. @ 23/- cwt.; 28 lbs. @ 3d. lb.

Cardamoms, 28 lbs. @ 4/3 lb.; 7 lbs. @ 4/6 lb.

Carmine, Finest, 1 lb. @ 25/- lb.; No. 2, 1 lb. @ 20/- lb.

Cera Alba, B.P., White Moons, 28 lbs. @ 2/5 lb.; 4 lbs. @ 2/7 lb.; Flav. 1 lb. Blocks, 28 lbs. @ 1/9½ lb.; 4 lbs. @ 1/10½ lb.; 1 oz. ½ oz. tabs., 7 lbs. @ 1/10½ lb.

Cerii Oxalas, 7 lbs. @ 4/- lb.

Cetaceum, No. 1, fine white, 64 lbs. @ 11d. lb.; 7 lbs. @ 1/1 lb.; powder, 7 lbs. @ 1/6 lb.

Chloral Hydras Cryst., B.P., 7 lbs. @ 12/6 lb.; 1 lb. @ 13/- lb.

Chlorodyne, 5 lbs. @ 2/3 lb.

*Chlorotorm, pure, B.P., 12 8-lbs. @ 2/1 lb.; 8 lbs. @ 2/2 lb.; 6 1-lb. bots. @ 2/4 lb.

Cocaine Hydrochlor., B.P., 25 ozs. @ 13/4 oz.; 4 oz. @ 14/6; 1 oz. @ 15/3 oz.

Codeina, 1 oz. @ 25/6 oz.; Phosph., 1 oz. @ 21/- oz.; Hydrochlor. or Sulph., 1 oz. @ 22/- oz.

Colocynth, Apple, English ground, 1 cwt. @ 1/4 lb.; 28 lbs. @ 1/5 lb.; 7 lbs. @ 1/7 lb.

Composition Powder (Coffin's), 1 cwt. @ 62/- cwt.; 7 lbs. @ 8d. lb.

Conf. Senna, P.B., 14 lbs. @ 10½ d. lb.; 7 lbs. @ 11d. lb.

Cort. Aurant. Exot. Shreds, 7 lbs. @ 2/2 lb.

" Cinchon. Rub. (Quill), 7 lbs. @ 1/1 lb.

" Ulmi Fulva, Pulv., 1 cwt. @ 11d. lb.; 7 lbs. @ 1/1 lb.

Cream of Tartar, 98% powder, 1 cwt. @ 195/- cwt.; 7 lbs. @ 1/11 lb.

Creasote, Beechwood, P.B., 7 lbs. @ 9/- lb.

Creta c. Camph., 7 lbs. @ 9d. lb.

" Gall. Pulv., in sacks, 10 cwt. @ 7/9 cwt.; 1 cwt. @ 9/3 cwt.; 14 lbs. @ 1½ d. lb.

" Præparata, 7 lbs. in box @ 1/- each.

Cubebæ, English Ground, 28 lbs. @ 2/- lb.; 7 lbs. @ 2/1 lb.

*Dec. Aloes Co. Conc. 1-2, 6 lbs. @ 2/1 lb.; Sinecroco, 6 lbs. @ 1/3 lb.

" Cinchonæ (Rubræ) Conc., 1-7, 6 lbs. @ 2/- lb.; Sennæ Conc., 6 lbs. @ 2/8 lb.

Emp. Spread, 12 yards x 16 ins. adhesive, 3/8; Bellad. B.P.C., Green @ 17/6; Cerat. Saponis @ 7/6; Pici Co. @ 7/6; Plumbi @ 6/-; Resina @ 4/6; Roborans @ 7/-; Saponis, B.P., @ 6/-.

Emp. Pici, P.B., 7 lbs. @ 10d. lb.

" Plumbi, P.B., 7 lbs. @ 10d. lb.

" Resina, P.B., 7 lbs. @ 10d. lb.

" Roborans, 7 lbs. @ 10d. lb.

Emulso. Ol. Morrhuæ, 5 lbs. @ 1/4 lb.

Eserine Sulph., in 15-grain tubes, 7/- each.

Ess. Bergam. (Oil), 12 lbs. @ 14/- lb.; 1 lb. @ 15/- lb.; not guaranteed absolutely pure.

Ess. Limonis (oil) original coppers, 12 lbs. @ 4/9 lb.; 6 1-lb. bots. @ 5/6 lb.; not guaranteed absolutely pure.

*Ess. Moschi (not artificial), 5 lbs. @ 11/6 lb.; 1 lb. @ 12/3 lb.

*Ess. Pear (artificial), Jargonelle, 5 lbs. @ 2/6 lb.; Bergamot, 3/- lb.

*Ess. Pineapple, 5 lbs. @ 4/- lb.

" Raspberry, 5 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.

" Vanilla Beans, 5 lbs. @ 4/6 lb.; 1 lb. @ 4/9 lb.

*Ext. Belladonnæ Liq., B.P., 5 lbs. @ 15/- lb.; 1 lb. @ 15/6 lb.; solid, 7 lbs. @ 7/3 lb.

Ext. Cannab. Ind., Ale., B.P., 1 lb. @ 54/- lb.

Ext. Cascara Sag. Liq., B.P., 1 cwt. @ 1/4 lb.; 10 lbs. @ 1/6 lb.

*Ext. Ergot. Liq. P.B., 5 lbs. @ 4/9 lb.; 1 lb. @ 5/3 lb.; Solid, P.B., 4 lbs. @ 25/- lb.; 1 lb. @ 26/6 lb.

Ext. Gent., P.B., solid, 1 cwt. @ 1/1 lb.; 7 lbs. @ 1/3 lb.

*Ext. Glycyrrh. Liq., B.P., 6 lbs. @ 2/4 lb.

*Ext. Hamamelis Liq., P.B., 5 lbs. @ 3/9 lb.

Ext. Hyoscyam., Solid, B.P., 3 lbs. @ 9/6 lb.; 1 lb. @ 10/- lb.

*Ext. Ipecac. Liq., P.B., 5 lbs. @ 21/6 lb.; 1 lb. @ 22/6 lb.

Ext. Malti c. Ol. Jecoris, 10 lbs. @ 8d. lb.

*Ext. Nucis Vom. Liq., P.B., 5 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb.; solid, 5 lbs. @ 4/3 lb.; 1 lb. @ 4/5 lb.

Ext. Opil Solid, P.B., 1 lb. @ 59/6 lb.

*Ext. Opil Liq., B.P., 5 lbs. @ 4/8 lb.; 1 lb. @ 5/- lb.

Ext. Quassia, Solid, 7 lbs. @ 7/6 lb.; 1 lb. @ 8/- lb.

Ext. Sarsæ Co. Solid, 7 lbs. @ 6/- lb.; 1 lb. @ 6/6 lb.

Ferri Ammon. Cit., P.B., 28 lbs. @ 3/8 lb.; 7 lbs. @ 3/10 lb.

Ferri Carb., 14 lbs. @ 5d. lb.

Ferri et Quinina Cit., P.B., 100 ozs. @ 9½ d. oz.; 25 ozs. @ 9½ d. oz.

Ferri Sulph., pure cryst., 1 cwt. @ 16/6; 7 lbs. @ 3d. lb.

Ferrum Redact., 80%, 28 lbs. @ 3/9 lb.; 7 lbs. @ 4/- lb.

Flor. Anth. Exot., 7 lbs. @ 1/8 lb.

Fol. Buchu, oval, 7 lbs. @ 2/8 lb.

Fol. Sennæ Alex. parv., 28 lbs. @ 10d. lb.

*Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.
NOTE.—Only terms Net Cash with order without discount, or orders accepted through London Merchants or Bankers.
Goods carriage forward; all packages free; Export cases extra.**ALLIANCE DRUG & CHEMICAL CO., LONDON.**
Offices: 34 LEADENHALL STREET.

KINDLY DETACH THIS SHEET AND PLACE IT IN YOUR BUYING BOOK.

FOR PROMPT AND FORWARD
DELIVERY—

BROMIDES OF AMMONIUM,
POTASSIUM & SODIUM.

OXALIC ACID.

SALICYLIC ACID.

SALICYLATE OF SODA.

TARTARIC ACID CRYSTALS.

EPSOM SALTS (Druggists' quality)

ACETYLSALICYLIC ACID.

THE FABRA COMPANY, LTD.
24 MINORIES, LONDON, E.

46 Vicar Lane,
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61 Fountain Street,
MANCHESTER.

Telegraphic Addresses :
"Fabradom, Bradford."
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FUERST **BROTHERS**

17
Philpot
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**AXE
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PHOTO CHEMICALS
METOL AMIDOL
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*ALWAYS
IN
STOCK*

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L.W.

*We make a specialty of the
manufacture of*

GLYCEROPHOS- PHATE OF SODIUM

IN FORM OF PURE CRYSTALS.
ALSO ANHYDROUS POWDER.

WE ALSO MANUFACTURE

**GLYCEROPHOSPHATE
OF CALCIUM, PURE**
(Free from added acid or other impurities)

**GLYCEROPHOSPHATE
OF POTASSIUM 75%**

**GLYCEROPHOSPHATE
OF SODIUM 75%**

Monsanto Chemical Works,
ST. LOUIS, Mo., U.S.A.

*Manufacturers also of Phenacetin, Phenolph-
thalein, Vanillin, Coumarin and Saccharin.*

De Roubaix & Cassiers

(ANTWERP)

Temporarily at SCHIEDAM (Holland)

SPECIALISE IN:

MEDICINE GLASS BOTTLES (pale greenish colour only)
of every shape and size for home and export trade.

SULPHURIC ETHER

SUGAR OF MILK

SANTONINE

BENZOIN (Palembang and
Sumatra)

WHEAT and RICE

GLYCERIN for export

STARCH

ALBUMIN TANNATE
(TANNALBIN)

SILVER SALTS

CACAO BUTTER

CARBONATE

DIETHYLBARBITURIC
ACID (VERONAL)

OF MAGNESIA

LIGHT CALCINED

CUMARIN

MAGNESIA

LEAD CARBONATE

LECITHIN ex OVO

(WHITE LEAD) chemi-
cally pure

YOHIMBINE (in tablets)

ZINC CARBONATE (ZINC

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MENTHOL

CHLORIDE OF ETHYL

AMMONIUMSULPHO-ICH-
THYOLATE (ICHTHYOL)

(in glass tubes)

COCAINE SALTS, &c.

Buyers of all English CHEMICALS
for export to Central America.

Correspondence Solicited.

Prices and Samples free on application.

Malt Extract

Place your orders with
CALDER'S

Your own label
on
bottles fitted with
patent antiseptic cap.

MALT EXTRACT.

1 lb. JARS	7/9 per doz
2 lb. do	13/3 " "
Cwt. DRUMS	45/-

MALT EXTRACT with Cod Liver Oil.

Owing to the increased price of
Cod Liver Oil, the prices for Malt
and Oil are varying somewhat.
Write for our special quotation.

Only the finest barley is used,
and the malt is carefully con-
centrated by the latest process.

Not a particle of CALDER'S
Extract is sold until it has been
tested by Analysis as to purity
and strength.

Every bottle of CALDER'S
Extract is hermetically sealed
by a patent antiseptic cap,
ensuring that the contents reach
the consumer in excellent condition.

Only the finest Norwegian Cod Liver Oil is used.

May a representative call
and give you fuller details?

CALDER'S YEAST COMPANY, LIMITED.

1, Peckham Grove, S.E.; 20, Lloyd's Row, E.C. LONDON.

Calder House, Bath Lane, NEWCASTLE-ON-TYNE.

66, Victoria Street, MANCHESTER.
10a, George Street, EDINBURGH.

25, Bond Street, LEEDS.
Albert Street, BIRMINGHAM.

PROFITABLE ENGLISH MADE GOODS.



**BLACK OR
TRANSPARENT**
2/3 per doz. net
or
24 - per gross net
(for orders of 3 doz.
and over).
Retail price 3d. each.
*These fixed prices only
apply to the
United Kingdom.*

**Patentees and
Manufacturers:**

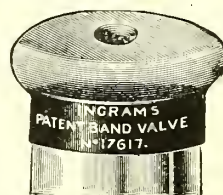
INGRAM'S
"Agrippa"
PATENT N° 17617

BAND TEAT AND VALVE.

**GRIP TIGHTLY TO THE BOTTLE
AND WILL NOT SLIP OFF.**

**STERILIZABLE BY BOILING.
PERFECTLY HYGIENIC.**

If your Wholesaler cannot supply, please write us:—



**BLACK OR
TRANSPARENT**
1/9 per doz. net
or
18/9 per gross net
(for orders of 3 doz.
and over).
Retail price 2½d. each.

*These fixed prices only
apply to the
United Kingdom.*

J. G. INGRAM & SON, Hackney Wick, LONDON, N.E.

Sphagnol *for*

SKIN DISEASES WOUNDS-SORE FEET

THE successes achieved by Sphagnol and confirmed by medical practitioners place it right in the forefront as a remedy for Skin diseases. Severe and obstinate cases of Eczema yield to its application. It is prescribed by doctors for Eczema, Psoriasis, Acne, Herpes, Ulceration of the Ears, Blepharitis, Ringworm, Dandruff, Hemorrhoids and Pruritus. Sphagnol is being used also as a First-Aid dressing for wounds and for sore feet.

Sphagnol Soaps and Ointment have been awarded the Institute of Hygiene's Certificate for Purity, Quality, and Merit.

*Chemists are cordially invited
to write for full particulars
and free samples.*

PEAT PRODUCTS (SPHAGNOL) LTD
19 Queenhithe, Upper Thames St. London, E.C.

ROBT. BAILEY & SON,

Clegg Hall Mill,

Telephone: 114 LITTLEBOROUGH. SMITHY BRIDGE,
Telegrams: LANCS — Eng.
BAILEYS, SMITHY BRIDGE.

MANUFACTURERS OF

**SURGICAL DRESSINGS
ABSORBENT GAUZE TISSUE,
COTTON WOOL, BANDAGES,
LINT, TOW, &c.**

PATENT FOUR-PLY GAUZE.

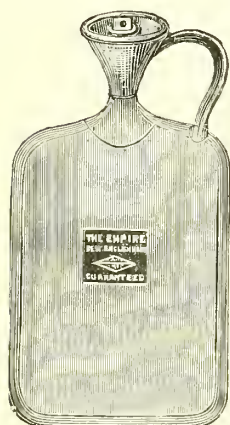
**BRITISH MADE
AND
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WHOLESALE ONLY. Write for Samples and Prices.

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OGILVY & CO., Telephone: GERRARD 1674.
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MICROTOME, WESTCENT, LONDON.

HOT WATER BOTTLES



BRITISH MAKE. The "EMPIRE" Brand

Made in Two Weights, but One Quality only—THE BEST.
Guaranteed for 2 years.

Top, or side handle	Sizes	6 x 8	6 x 10	6 x 12	8 x 10	8 x 12	8 x 14	10 x 12	10 x 14
		s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Heavy weight	each	3 0	3 3	3 6	3 9	4 1	4 8	4 11	5 3
Light	"	2 11	3 1	3 4	3 6	3 10	4 3	4 7	4 10
Cockburn's shape	"	3 0	3 3	3 6	3 10	4 2	4 8	4 11	5 3
Covers, scarlet or grey plush	"	0 8	0 8	0 10	0 10	0 11	0 11	0 11	1 0
" " " felt	"	0 6	0 6	0 7	0 7	0 8	0 8	0 9	0 11

FIG. 957.—Side Handle.

5% discount allowed for prompt cash off above prices. Carriage paid on Orders of £2 and upwards to any town in the United Kingdom. We are the right House for BRITISH-MADE GOODS—Bandages, Belts, Catheters, Clinical Thermometers, Combs, Enemas, Elastic Hosiery, Hot Water Bottles, Trusses, Splints, Water and Air Beds, Water and Air Cushions, Waterproof Sheeting, and every description of Rubber and Vulcanite Goods.

ILLUSTRATED PRICE LIST POST FREE. OUR GOODS ARE RIGHT. MONEY BACK IF NOT SATISFIED.

BURGE, WARREN & RIDGLEY, LTD.,
91 & 92 GREAT SAFFRON HILL, LONDON, E.C.

LOOFAH SOCKS

EACH PAIR IN A BAG AND EVERY
DOZ. IN AN OUTER—

27/- PER GROSS Net } LESS 5 %
Monthly. } Cash 7 days

SALE - GETTING SHOWCARDS
SUPPLIED

**MADE IN BRITAIN
BY BRITISH LABOUR**

INSIST ON HAVING THE BRITISH-
MADE ARTICLE, AS HITHERTO 90 %
OF THE LOOFAH SOCKS SOLD
HAVE BEEN MADE IN GERMANY

J. MORGAN DAVIS & SONS,
ESTAB. 1838. 278 Bishopsgate, London, E.C.

LOOFAH SOCKS

DISPENSING BOTTLES & PHIALS.

PRESENT PRICES.

CLEAR BLUE TINTED—Good Quality.

3 & 4 6 & 8 12 16 oz. } Plain or graduated.
11/6 12/6 18/- 20/- per gross

CLEAR BLUE TINTED—Best Quality. QUININE.

3 & 4 6 & 8 12 16 oz.
13/- 14/- 20/- 24/- per gross.

WHITE PHIALS—Good Quality.

5- 1 1 1/2 2 oz. } Plain or teaspoons.
5/- 5/6 6/- 6/6 per gross.

BLUE POISON AND LOTION BOTTLES. All sizes.

We send six gross assorted or otherwise, carriage paid within
7 miles, and to certain stations. Particulars on application. Smaller
quantities not carriage paid.

I. ISAACS & CO.,

106 MIDLAND ROAD, ST. PANCRAS, LONDON, N.W.
Or ISLINGTON BOTTLE COMPANY, 7 New Inn Yard, Tottenham Court Road, London, W.

Orders sent to either establishment have attention.

Established 100 Years.

Anti-Gun Deafness Device.

Approved by the Admiralty.

**THE MALLOCK-ARMSTRONG
EAR DEFENDER.**

(Mr. A. Mallock, F.R.S.—Messrs. Armstrong, Whitworth, Ltd.)
PATENTED.

Employed in every branch of the three Services,
and in the Royal Aircraft and other Factories.

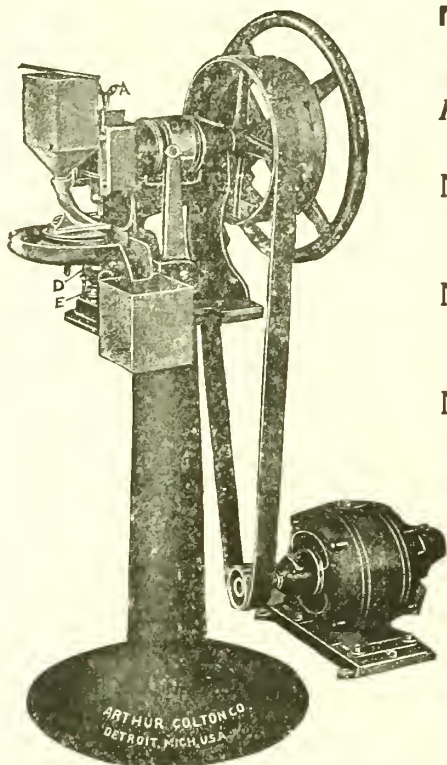
Retail price, any size, 4/-; post free 4/1.

TRADE TERMS and particulars from

THE MALLOCK-ARMSTRONG EAR DEFENDER CO.
86 York Street, Westminster, S.W.

Showroom & Factory: 5 Carteret St. (St. James's Park Station).

Telephone No.: VICTORIA 2944.



TABLET MACHINES

For making tablets of all sizes from $\frac{1}{8}$ in. up to 2 in.

No. 2B MACHINE for tablets $\frac{1}{8}$ in. to $\frac{1}{2}$ in. diameter, including 3 sets of punches and dies, **£15 10 0**
(This machine has a capacity of 125 tablets per minute.)

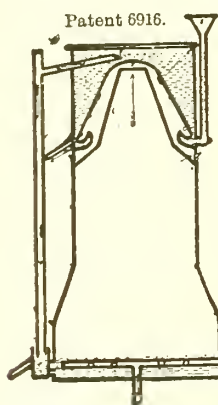
No. 3B MACHINE for tablets $\frac{7}{32}$ in. to $\frac{5}{8}$ in. diameter, including 3 sets of punches and dies, **£36 5 0**
(This machine has a capacity of 100 tablets per minute.)

No. 4 MACHINE for tablets $\frac{1}{2}$ in. to $\frac{3}{4}$ in. diameter, including 1 set of punches and die, **£67 10 0**
A massive machine of great power. (Capacity 90 tablets per minute.)

We keep a large stock of these Machines.
Prompt Delivery.

LISTS FREE ON APPLICATION.

JOHN J. GRIFFIN & SONS, LTD.,
Kingsway, London, W.C.



TO MANUFACTURING AND WHOLESALE DRUGGISTS, &c.

We beg to call attention to the fact that our well-known Patent Stills are made for heating by steam pressure. Where this is available it forms a very cheap and efficient method of obtaining distilled water. Any pressure will suit from 10 to 200 lb., made in various sizes to produce from 1½ to 15 gallons PER HOUR. Cost of distilled water made this way is practically nil. As with our Gas Stills, these are perfectly automatic. Prices as below:—

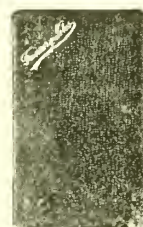
For producing up to			
1½ gallons per hour.	£3	10	0
5 "	£10	0	0
9 "	£12	10	0
15 "	£16	10	0

The few most important places we give below afford evidence of the quality, efficiency and economy of the Steam Stills:—National Physical Laboratory, 2 in use; Imperial College of Science, 8 in use; University of Wales; Pharmaceutical Society; Guy's Hospital, Bacteriological Department; and many of the leading Breweries and Drug Houses, etc. etc

Pamphlets & particulars forwarded on application. Estimates submitted free if required for supplying and fitting complete.

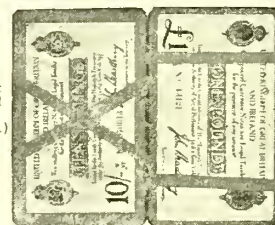
BROWN & SON, Muriel St., King's Cross, London, N.

The REVERSIBLE TREASURY NOTE CASE



Closed.

(Patent applied for—No. 5022.)



Open.

Ever since the introduction of Treasury Notes there has been a demand for a convenient Case for holding same, and the one illustrated above has been brought out to supply the need. A quick-selling popular line. All you have to do is to open the case, lay the Notes inside, open it the reverse way, and they are fastened under the straps. Prices: 1/-, 2/6, 3/6, 5/6, 7/6 & 10/6 each, subject to 33½% trade discount. Showcards and Window Tickets free. Order from the actual Manufacturers—

D. HARPER & CO., Ltd., Advertising Novelty and Fancy Leather Goods Manufacturers, 258 262 Holloway Road, London, N.

HAVE YOU RECEIVED OUR NEW CATALOGUE

OF BOTTLING, TUBE- & TIN-FILLING MACHINES, MIXERS, EMULSIFIERS, ETC.

Up-to-date Plant at Low Prices.
Something to meet every need.

WRITE—
ROBERTS' PATENT FILLING MACHINE CO.,
33 ROUNDCROFT STREET, BOLTON, ENGLAND.

MEDICAL DISPENSING BOTTLES.

T. FERRY & SON, Ltd.,
PARK LANE GLASS WORKS,
GATESHEAD - ON - TYNE.

Telegrams:
"BOTTLES|GATESHEAD."

Telephone:
70 GATESHEAD.

THE BRYTSTELE OUTFIT**For Safety Razors**

Safety Razors kept in a Brytstele Bath do not require to be taken apart for cleaning or drying. Brytstele Solution keeps blades sharp for at least two months without stropping. Blades and Holders are kept bright, antiseptic, and free from rust.

**ATTRACTIVE OUTFITS
AS ILLUSTRATED.**

Retail 2s. each ... Trade 17/- doz.
Refill Bottles (4 oz.)
10/- each ... 7/- ..
Refill Bottles (10 oz.)
1s. 8d. each ... 13/- ..

Carriage paid on dozens only.

Good Showcards, etc.

THE BRYTSTELE Mfg. Co., 106 High Street, Camden Town, N.W.

**ZORAYA
Ointment & Soap**

A genuine preparation of great curative value for all Skin Complaints and kindred ailments, cuts, wounds, burns, &c. A unique remedy for Piles.

33 1/3 % Profit.

CHARLESTON & CO., 8 & 9 Talbot Court, E.C.

Showcards and Window Display on Application.

TIDMAN'S SEA SALT.

ON P.A.T.A. LIST. INCREASED PROFITS TO ALL WHO KEEP IT IN STOCK.

Orders of Twenty Shillings value and upwards Carriage Paid—Cases Free, less 2 1/2 % Discount for Cash.

Advertised Price. Per Box.	Minimum Retail Price. Per Box.	Minimum Wholesale Price. Per Gross.
1d. Packets 1/- ...	12 in box 11d. ...	9/6
2d. " 2/- ...	" 1/10 ...	16/9
1d. linen Bags 1/- ...	" 11d. ...	8/6
2d. " 1/- ...	6 in box 11d. ...	16/9
Boxes, about 1 1/2 lb. 4d. ...	" 3 1/2 d. ...	2/10 pr. doz.
" " 3 1/2 d. 8d. ...	" 7d. ...	5/8
" " 7 " 1/2 ...	" 1/- ...	10/-
" " 14 " 2/- ...	" 1/10 ...	18/3

SINGLE BAGS of following 3 sizes sent **CARRIAGE PAID** to any place in the United Kingdom, so that there is no Stock to hold.

Advertised Price.	Minimum Retail Price.	Minimum Wholesale Price.
28-lb. Bags (or Boxes) 3/- each ...	3/- ...	2/6 each
1-cwt. Bags 5/6 " ...	5/6 " ...	4/7 "
1-cwt. Bags 10/- " ...	10/- " ...	8/4 "

The following are also sent, carriage paid, cases free, to any place in the United Kingdom, for net cash: 4-7 lbs. Boxes, 3/6 the lot; 6-7 lbs. Boxes and upwards at 10/- per dozen (list price). Orders for assorted sizes to the value of 7/6 and upwards.

TIDMAN'S SEA SOAP, beautifully perfumed.

Advertised Price.	Minimum Retail Price.	Minimum Wholesale Price.
Box of 3 large Tabs. 1/- each ...	10 1/2 d. ...	7/6 per doz. boxes
" 6 small Tabs. 6d. " ...	5d. ...	3/9 "
Bars about 1/2 lb. 5d. " ...	4d. ...	3/- per doz. bars.
" " 1-lb. 10d. " ...	8d. ...	6/- " "

Accounts Monthly Net due 10th of following month. Terms for Seidlitz Powders, Pinnacle Soap Stands, Toilet Soaps, &c., sent on application.

TIDMAN & SON, Ltd., Wapping, London, E.

NAIL BRUSHES

IN STOCK,

At 36/-, 72/-, and 144/- per gross.

TO WHOLESALE & EXPORT BUYERS ONLY.

Samples sent on receipt of P.O. for 1/9 (not stamps), cross "National Provincial Bank."

"ALEXANDER,"

c/o "The Chemist & Druggist," 42 Cannon St., London, E.C.

Wholesale **ALL BRITISH** Only.

+ CRÊPE BANDAGES. +

In various widths and qualities. Send for Samples, with Prices, and compare with any foreign production, to The Norwich Crepe Co. (1856), Ltd., St. Augustines, Norwich, who are acknowledged to be the only manufacturers in Great Britain.

**TO WHOLESALE DRUGGISTS
SUPPLYING GOVERNMENT.**

Advertiser is prepared to undertake to make Tablets or Pills, &c., in quantities on terms to be mutually arranged. Address—"Compressed Tablets" (245/2), c/o The Chemist & Druggist, 42 Cannon Street, London, E.C.

THE RAT TAX

was never thought of in the making up of the recent Budget, yet authorities estimate that the rats impose a tax on Great Britain to the extent of

**£15,000,000
A YEAR.**

Those who are most hardly hit are Farmers, Merchants, Shippers, Shopkeepers and others who are made aware of loss caused through destruction of stock, &c., by rats. Push "Rodine," it is the rapid rat remover, giving to both seller and user the

BEST VISIBLE RESULTS.



**HARLEY, Manufacturing Chemist,
PERTH, Scotland.**

EXPORT AGENTS—
TOZER, KEMSLEY & FISHER, LD.
84 Fenchurch Street, LONDON, E.C.

POTTER & CLARKE, Ltd.

60/64 Artillery Lane,
LONDON, E.

&

24 Luna St., Gt. Ancoats,
MANCHESTER.

FOR OCTOBER 20, 1915.

P.A.T.A.

	Face Value.	Minimum Retail Price.	Wholesale Price Per Dozen Net.	Remarks.
<i>Potter's Asthma Cure</i>	1 -	10½d.	8/6	No Alteration.
do. do. <i>Cigarettes</i>	1 -	10½d.	8/6	"
<i>Potter's Asthma Smoking Mixture</i>	6d.	6d.	4/6	"
<i>Potter's Asthma Pills</i>	1/3	1/2	11/-	Advanced 1½d.
do. do. do.	3/-	2/9	27/-	" 3d.
<i>Potter's Stramonium Cigarettes</i>	1/-	10½d.	7/-	No Alteration.
<i>Potter's Cubeb and Stramonium Cigarettes</i>	1/-	10½d.	7/-	"
<i>Dr. Thompson's Dandelion Coffee</i>	9d.	9d.	7/-	¾d. Stamp instead of ½d.
do. do.	1/6	1/6	13/6	1½d. " " 1d.
<i>Dr. Thompson's Slippery Elm Food</i>	4d.	4d.	2/9	No Alteration.
do. do.	1 -	1 -	7/6	"
<i>Hedakene (containing 9 powders)</i>	9d.	9d.	7/3	Advanced 1½d.
do. (do. 18 do.)	1/3	1/2	11/-	" 3d.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, OCTOBER 9, 1915

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED THE MONEY IS TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

BEST RESULTS EVERY WEEK!

← That is what advertisers in
The Chemist and Druggist
Supplement secure. Not in-
definite returns from spasmodic and inflated
circulation, but regular, steady success—the
best possible in the Drug Trade. It gives

THE PUBLICITY IT PAYS TO PAY FOR.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

- 1.—LONDON, S.W.—Ready-money Business; returns £1,800; excellent sale for own Proprietaries; attractive shop, double-fronted; terms, goodwill £50, stock and fixtures at a fair valuation.
- 2.—LONDON, N.W.—Modern Pharmacy, rapidly increasing; returns, present rate, £1,500 per annum; attractive shop and good stock; all open to inspection; valuation and small premium only required.
- 3.—LONDON, N. (Main Market Thoroughfare).—Ready-money Business, chiefly small trading; returns between £900 and £1,000 per annum; gross profit 50 per cent.; price £350, or near offer.
- 4.—LONDON, W.—Family Retail and Dispensing Business, with little Optical and Dental; returns about £800; net profit £200 (about); double-fronted, corner shop, well stocked; convenient house; held on lease; price £450.
- 5.—LONDON, N.W.—Retail and Dispensing Business, with Wine Licence; very old-established; returns £1,000, at fair prices; double-fronted shop; to effect a speedy transfer the sum of £300 will be accepted.
- 6.—HYDE PARK.—Established Business, Retail and Dispensing, situate in busy main thoroughfare; returns about £2,200; net profit £500; lease 21 years; ill-health cause of sale; further details on application.
- 7.—SURREY HILLS.—Good-class Business; returns, present rate, about £2,000 per annum; net profit 25 per cent.; modern-fitted shop, fully stocked; terms, goodwill £125, stock and fixtures at valuation.
- 8.—WORCESTERSHIRE (Death Vacancy).—For immediate Disposal, old-established Business, Retail and Dispensing, with Photographic Sundries; returns £800 (formerly £2,000); well-fitted, double-fronted shop; large house; no reasonable offer refused.
- 9.—BRISTOL CHANNEL (Seaport).—Middle-class Retail trade; well situated in one of the main thoroughfares; returns between £1,400 and £1,500; well-fitted Pharmacy and good house; terms, valuation of stock and fixtures.
- 10.—YORKS.—Good middle-class Business, chiefly ready money; returns about £600; net profit £220; well-fitted shop, fully stocked; rent £25, which includes residence; price £400.
- 11.—SCOTLAND.—Select Retail and Dispensing Business, with Photographic Sundries; good openings for Optics and Dental; returns £700; net profit 25 per cent.; scope for considerable increase; rent £28; price £450.
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CORNWALL.—Good-class General Dispensing and Prescribing Business in busy market town; owner retiring from the Retail; no agents; lease 11 years to run; rent £30; lock-up shop; splendid position; no Panel work; price £550. Apply, "A," 44 Fortis Green Road, East Finchley, London, N.

LONDON, S.W.—The chance of a lifetime; £500 cash down before the end of October will purchase old-established Business; splendidly fitted and stocked; fully insured against all War risks, Zeppelins, incendiary fires, etc., for £1,000; owner impatient to join the Colours. Apply, previous to personal investigation, to "Fighting Chance" (221/32), Office of this Paper.

LONDON, W. (Few Miles Out).—Death vacancy; good-class Light Retail and Dispensing Business; well established; returns nearly £1,150, producing a clear net income of £400; Assistant kept; excellent position; large house and Pharmacy; price £800; will bear close inspection. Apply, "Widow" (271/25), Office of this Paper.

MANCHESTER.—Chemist's Business in high-class suburb; turnover £850; rent £50; three years' lease; valuation. Further particulars apply, Parkin S. Booth, Accountant to the Association of Manufacturing Chemists, Ltd., 2 Bixteth Street, Liverpool, and London.

N. WALES.—For immediate Disposal, owing to serious illness of proprietor, the Business carried on successfully for last 18 years at 57 High Street, Pwllheli, by Mr. Baldwin Jones; cash purchasers only; entertained; no agent. Apply as above.

SOUTH COAST.—A Pharmacy making a net profit for the last five years at the rate of £450 per annum to be sold at once; reason for selling will be explained personally. Apply, 2/80, Office of this Paper.

SURREY Village.—Old-established Country Business; returns £500, scope for large increase; profits good; good house and garden; long lease, and very low expenses; stock and fixtures worth quite £300; nearest offer accepted for quick sale; owner enlisting as soon as free. 269/9, Office of this Paper.

YORKSHIRE.—Industrial town; returns £1,663 last twelve months, increasing; established 1868; in two hands only, predecessor retired, and present owner retiring; exceptional profits; well stocked; investigation invited; could be considerably increased; been left largely to unqualified management; property belongs vendor; part could remain with suitable man. 266/29, Office of this Paper.

YORKSHIRE (Suburb).—Business for Disposal; main road; working-class district; returns about £600; good opening for Dentistry and Optics, and capable of much increase; well fitted and stocked; good house. Apply, 270/28, Office of this Paper.

YORKSHIRE.—Good-class Retail and Dispensing Business for Sale, with National Health Dispensing, full Wine Licence; no opposition; returns £700. Particulars, "A." (268/37), Office of this Paper.

FLY-CATCHER AND VERMICIDE FACTORY, London; established Business and valuable Trade-mark throughout England and Colonies; owner selling on account of ill-health; sale price £500. Write, "Factory," 65 Mayfield Road, Sanderstead, Surrey.

FOR Sale, an old-established Chemist's Business in a busy Lincolnshire town; stock £1,500; fixtures £500; building can also be purchased, worth £2,500; mortgages can remain; turnover £80 per week; expenses low. For further particulars apply to R. S. Booth, Accountant to the Association of Manufacturing Chemists, Ltd., 2 Bixeth Street, Liverpool, and London.

FOR Sale, well stocked and fitted Drug Store; established 23 years; increasing turnover; good opening for Panel; no immediate opposition; house accommodation; low rent and rates; few Patents; corner premises; bad health only reason for selling; gross profit 50 per cent.; £100 or nearest offer for quick sale. "Lincoln" (268/4), Office of this Paper.

MUCH-NEGLECTED Business for Sale; good position in main road, S.W. London; returns under unqualified female management at present £250, has done £900; excellent opportunity for a live qualified man who will give personal attention; plenty of scope for N.H.I. work; new lease can be had on very favourable terms; all at £100. Apply, letters, "X," 13 Gunter Grove, Chelsea, S.W.

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PARTNER Required, or Business for Sale.—Lady Photographer, with studio at large Military camp, requires lady Partner to develop existing Chemist's branch, which offers prospect of considerable turnover; hours easy; only small capital necessary. Address, "Camp" (266/31), Office of this Paper.

TO Chemists and Druggists.—For immediate Disposal, in consequence of death of late proprietor, old-established Business at Grantham; yearly tenancy at £32 per annum; turnover about £8 per week, could probably be increased by energetic man with small capital. Full particulars of Francis, Nicholls, White & Co., Chartered Accountants, 14 Old Jewry Chambers, London, E.C.

10s. will secure information of really good opening for Chemist; town over 5,000 population; no Chemist in business; chance of a life-time to energetic man; no agents. Apply to Humphrey, Chemist, Cleethorpes.

£550.—Retail, Family, and Dispensing Business; turnover £800 to £900 per annum; in coming seaside resort; capable of great increase. Apply firstly, 36 Dalmorton Road, New Brighton, Cheshire.

£1,200 RETURNS.—Opportunity offers to buy an old-established Business in densely populated and thriving London suburb; if run on Store system could be much increased, as present proprietor has run on old-fashioned lines; good house and yard attached; lease; everything in good condition. 268/36, Office of this Paper.

APPRENTICESHIPS.

RESPECTABLE youth, Chemist's son (17), seeks start in good-class Dispensing business, vicinity Kensington; wages expected 10s. per week; highest references. 1/8, Office of this Paper.

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ENGLISH Pharmacist, about to proceed to Egypt, is willing to Represent firm or firms on commission. Address, "P. H.," 2 Goodwyn's Vale, Muswell Hill, N.

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A GOOD double-fronted corner Shop and house to Let in populous and thriving district; an ideal position for Chemist; no opposition; convenient house, living-room and drawing-room, two bedrooms, kitchen, woodhouse, etc., large bath downstairs. Apply, J. N. Cooper, 276 Desborough Road, High Wycombe.

A WELL-ESTABLISHED Chemist's Shop, nicely fitted, to be Let; good position in well-known suburb; low rent; fine opportunity for beginner. Apply, 249/34, Office of this Paper.

GOOD opening for a Chemist and Druggist, 530 Old Kent Road, S.E., near the Canal Bridge; shop and parlour to be Let; it has been a Chemist's shop for over 40 years; rent 15s. per week inclusive. Apply, 48 Streathbourne Road, Tooting, S.W.

BUSINESSES WANTED.

EASTERN COUNTIES.—Pharmacist requires sound Business, returning £600 to £800; as Manager or Partner with view to succession entertained. 270/32, Office of this Paper.

ADVERTISER wishes to Purchase for cash a Chemist's Business showing a net profit of £150 and upwards per annum, with house accommodation attached; or would Manage a Branch with view to early succession. Send fullest details, which will be treated in strict confidence, to 269/22, Office of this Paper.

CHEMIST wishes to Purchase a small Light Retail Business in country; a neglected business, or suitable premises for opening up considered; small but convenient house; low rental. Full particulars, class of trade, and price required, to 270/7, Office of this Paper.

FOR SALE.

FOR Sale, Drng. Patent Medicine and Wine (Medicated) Business in North of England; low rental; good position; agents declined. 251/3, Office of this Paper.

NATIONAL Cash Register for Sale; little used; 1d. to 10s., with tape printer. Letters to "D. P.," 10 Este Road, Battersea, S.W.

WHOLE Stock and Fixtures of Retail business for Disposal; inspection invited. Apply, Dryden, Landore.

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RESULTS
OF ADVERTISING IN THIS SUPPLEMENT
LAST WEEK OCT. 2 1915

NATURE OF ADVT	REPLIES
MANAGER	28
ASSISTANT	15
SIT. WANTED	15
REPRESENTATIVE	14

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RETAIL.

BIRMINGHAM.—Junior Assistant for Light Retail and N.H.I. Dispensing. Usual particulars to Atkinson, Chemist, Six Ways, Birmingham.

ERITH-ON-THAMES.—Dispenser and Bookkeeper required at once by Doctor; outdoors; salary 50s. a week; in reply please give fullest particulars as to age, experience, reference, etc., stating when disengaged; applications not answered within seven days respectfully declined. Apply, Drs. Murison and Mayston, 4 Lesney Park Road, Erith, Kent.

FARNBOROUGH.—Wanted, two Junior Assistants or Improvers. Please give particulars, with salary (outdoors), to Litchfield, Pharmacist, South Farnborough.

FAVERSHAM.—Junior or Improver (either sex), for Retail and Dispensing; outdoors; easy hours, no Sunday duty. State age, references, and salary required, to Thomas, Chemist, Faversham.

GRIMSBY.—Qualified Branch Manager required; active, capable man; easy berth; outdoors; no Sunday duty; short hours; good salary to right man. Apply, stating age, height, experience, and salary required, enclosing photo (returned), to Barkers (Exors.), 9 Grimsby Road, New Cleethorpes, Lincs.

LINCOLNSHIRE.—Wanted (at once), preferably young, qualified Assistant, to Manage widow's small country business; easy hours; comfortable home; must have good references; photo (if possible). Apply, in first instance, to Stow Morris, Pharmacist, 16 Rushey Green, Catford, S.E.

LANELLY.—Smart Junior or Improver wanted; outdoors or indoors. Apply, with full particulars and salary required, Wade, Chemist.

LONDON.—Unqualified Assistant required for high-class business; comfortable berth and progressive salary; permanency. "Chemicus" (269/300), Office of this Paper.

LONDON.—First-class Manager required for progressive high-class business; good salary and interest in the profits offered to the right man. "Exel." (269/30), Office of this Paper.

LONDON, N.—A Dispenser wanted by a firm of Doctors on evening a week. Apply, Drs. C. B. and C., 124 Stroud Green Road, N.

LONDON, N.—An experienced Assistant, also Junior or Improver; time off for attending lectures or study if desired. Apply, letter only, stating experience, names of references, when disengaged, and salary expected (in- or out-doors) in each instance, "Chemist," 82 Bayston Road, Stoke Newington, N.

LONDON, N.E.—Unqualified Assistant wanted for Drug Store, able to take charge in absence of owner; suit elderly man; good Salesman and Prescriber; strictly sober and honest; after three months, if suitable, could live over premises. Apply, by letter, stating salary, Grant, 33 Chatsworth Road, N.E.

LONDON, S.E. (Crystal Palace District).—Wanted early, capable Assistant; outdoors; accustomed to N.I. Dispensing. Apply, with particulars, to Davy, Chemist, 3 Central Exchange, Penge, S.E.

LONDON, S.E.—An elderly qualified Assistant; 10 a.m. to 1 p.m., and 6 p.m. to 10 p.m.; close Thursdays at 1 p.m.; no Sunday duty; outdoors; Dispensing optional; also Evening Assistant, 7 p.m. to 10 p.m. The Prosser Roberts Co., Pharmacists, 323 Walworth Road.

LONDON (S.W. Suburb).—Assistant (outdoors) for Dispensing and Retail business. Please state age, references, salary required, and experience to C. J. G. Bunker, 30 York Street, Twickenham.

LONDON, S.W.—Junior Assistant required, accustomed to Dispensing. Apply, Plaister & Co., 13 Gledhow Terrace, South Kensington.

LONDON, S.W.—Dispenser required, holding the Minor qualification; salary to commence 50s. per week (outdoors); hours of work approximately 8.45-6 p.m.; no Sunday duty. Write, giving full particulars of previous experience, to "L. J.," 1064, Sells' Advertising Offices, Fleet Street, E.C.

LONDON, S.W.—Junior Assistant required for early November; indoors; accustomed to high-class business. R. W. Walden, 65 Elizabeth Street, Eaton Square, S.W.

LONDON, W.—Assistant wanted; Dispensing experience necessary. Apply, giving full particulars, to A. E. Grimwade, 81 Cornwall Road, North Kensington, W.

MANCHESTER.—Elderly qualified wanted; easy hours; not single-handed; permanency for the right man; give full particulars in first letter; outdoors. "Chemist," c/o 128 Moseley Road, Fallowfield, Manchester.

MANCHESTER.—Junior Assistant; outdoors. Apply, with full particulars, to Beal, 446 Rochdale Road, Manchester.

MANCHESTER.—Wanted, qualified Assistant for Dispensing and Counter; preferably ineligible for the Army; short hours. State full particulars, age, experience, references, and salary required, to 269/32, Office of this Paper.

MANCHESTER District.—Vacancy for young man or lady (elderly entertained), to Manage a Drug Store in good-class district; no Poisons sold. Full particulars, in first letter, as to salary, experience, and when at liberty, to "Jacobus" (268/25), Office of this Paper.

MANCHESTER.—Manager, qualified, for quick Light Retail; no N.H.I. State full particulars, age, height, salary required (outdoors); no Sunday duty. Apply, 269/24, Office of this Paper.

MANSFIELD.—Senior unqualified Assistant; Counter, Dispensing, and Photographic experience; good Window-dresser. State particulars as to salary, also references and photo (returned), Dickinson, Chemist, 12 Market Place, Mansfield, Notts.

MARGATE.—Good Assistant, lady or gentleman, about 24; unqualified; in- or out-doors; accustomed to good-class Dispensing and Retail. State full particulars, photo (if possible), W. M. Rosser, J. Baily & Co., 2 Ethelbert Terrace, Margate.

MIDLAND City.—£2 5s. salary offered for the services of a first-class unqualified Assistant; moderate hours; comfortable berth. "Midland" (269/030), Office of this Paper.

NEAR Manchester.—Wanted, qualified Assistant for quick Cash business; £3 per week and commission; must be smart, a willing worker, and good Salesman. Address, with full particulars, age, references, and photo, to 271/35, Office of this Paper.

NORTH-EAST COAST.—Taylors' Drug Co., Ltd., have a vacancy for Chemist in Whitley Bay: good prospects for suitable man. Write, with particulars, to Mr. England, Starbeck Hall, Harrogate.

S.E.—JUNIOR for a quick Retail and Dispensing business; some knowledge of Photography essential; good opportunity for learning X-ray Photography: wages 36s. per week, and commission. The Prosser Roberts Co., Pharmaceutical Chemists, 13 Church Street, Camberwell Green.

SOUTH COAST.—Wanted by a firm of importance in a leading seaport, a qualified Assistant where several are kept; Minor qualification: 25 to 30 years of age; must have had high-class experience. "Pharmacy" (250/35), Office of this Paper.

SOUTH COAST.—A qualified Assistant required for Dispensing and Counter; easy hours, no Sunday duty. Write, stating age, salary required, and full particulars of experience. "Q. A.", Box 570, Willing's Advertising Agency, 125 Strand, W.C.

SOUTHAMPTON.—Randall & Son, Ltd., require (at once) a qualified Assistant, about 30 years of age; married preferred; four Assistants kept; only those desiring a permanency need apply. Replies to be addressed to Mr. Wilson.

SOUTH OF ENGLAND.—Assistant required; experienced; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

STAMFORD.—Wanted, as soon as possible, Assistant: outdoors; must be good Dispenser, Counterman, and Prescriber. Apply, stating previous experience, height, salary required, and references, Dickinson, Stamford.

SWANSEA.—Wanted, competent Junior; outdoors; hours light, no Sunday duty. Please state age, height, experience, and salary expected, to Rees Brothers, Pharmacists, St. Thomas, Swansea.

WEST END.—Qualified Dispenser required. Apply to The Manager, c/o Cooper, Son & Co., Ltd., 24 Sloane Street, S.W.

WESTON-SUPER-MARE.—Indoors, in select Dispensing business, active, capable Junior. Send photo and full particulars of experience and salary required, Wing, 19 Walliscote Road, Weston-super-Mare.

WEYMOUTH.—Junior Assistant wanted for high-class Dispensing and Light Retail; outdoors; two kept. Apply, stating age, height, experience, and salary required, Shelley Richards, Pharmacist, Weymouth.

WINDSOR.—Wanted, a Junior Assistant or Improver for Light Retail and Dispensing business where a Senior also is kept. Apply, giving full particulars as to age, experience, references, and salary required (indoors), to R. W. Houfe, Pharmaceutical Chemist, Windsor.

A COMPETENT trustworthy Assistant, used to good Dispensing business. Pickard, 3 West Kensington Terrace, W. (opposite West Kensington Station).

A N Assistant wanted (lady or gentleman) in good-class Family Retail and Dispensing business; usual hours. 267/70, Office of this Paper.

A N Assistant; accustomed to a good Country trade; easy hours and good salary. State full particulars and references; no Sunday duty. F. Fresson, Pharmacist, Stevenage, Herts.

A SSISTANT-DISPENSER (male) required by an Institution in the Midlands; age 35; N.H.I. experience (Hall qualification preferred); Dispensary hours, 9 to 10.30, 2 to 3, 5.30 to 8; outdoor situation; salary £120 per annum, paid monthly. Apply, 265/7, Office of this Paper.

A SSISTANTS (unqualified), chiefly for Dispensing, required at once. Apply, John Barnes & Co., Ltd., 191-217 Finchley Road, N.W.

A SSISTANT required; qualified; outdoors; short hours; good experience. Apply, John Bell & Croyden, Ltd., 50 Wigmore Street, W.

A SSISTANT for high-class Retail and Dispensing business, with Photography, from 23 to 30 years of age; in- or outdoors. Apply, with full particulars as to age, height, salary, etc., to T. E. Savage, Broadway, Crouch End, N.

A SSISTANT, unqualified, for Light Retail; knowledge of Photography preferred. Full particulars to Day, Pharmacist, Saltash.

A SSISTANT, thoroughly reliable, for high-class business; good Salesman; outdoors; moderate hours; no Sunday duty; October 18. Manager, H. Lamplough, Ltd., 166 Strand, W.C.

A SSISTANT immediately; good-class General business; age 20 to 25 years, but elder treated with; every encouragement given. Mr. Wilson, 80 Lamb's Conduit Street, W.C.

A SSISTANT wanted, fully experienced, for Counter and Dispensing; qualification preferred, but not essential to good man; references must bear close investigation. Apply, by letter send photo, to R. S. Starkie, 126 Strand, W.C.

B RANCH Manager (qualified) required immediately; to one, with enterprise, energy, and initiative good salary and commission; knowledge of Photography and good Window-dressing essential. Apply, with fullest particulars, to Parke's Drug Stores, Ltd., 65 Harwood Street, N.W.

C HECCKER of Insurance Prescriptions (female), temporary, probably three months; two guineas weekly. State qualifications and experience to the Clerk, County Insurance Office, Kingston-upon-Thames.

D ISPENSER for Insurance work wanted; must be reliable and qualified under the Insurance Act; easy hours; would suit lady Dispenser. Apply, with particulars of experience, references, etc., to "Antipyrin" (268/15), Office of this Paper.

E VENINGS.—Monday and Wednesday from 6.30 to 9.30, every other Sunday 7 to 9; mainly N.H.I.; qualified. State terms and present daily employment; N.E. London. "G. S. P." (266/22), Office of this Paper.

F. M. RIMMINGTON & SON, LTD., 9 Bridge Street, Bradford. require an Assistant, about 22, with good Dispensing and Counter experience; outdoors; state salary required.

I MPROVER or unqualified Assistant for good-class Retail; weekly half-holiday; no night duty. Young & Sons, Pharmacists, Spring Gardens, Buxton, Derbyshire.

JOHN BARKER & CO., LTD., Kensington, W., require an experienced Assistant (unqualified); hours 8 to 6, 1 o'clock Saturdays. Apply, R. E. Baron.

J UNIOR Assistant; smart lad newly out of time, from North preferred; indoors; Dispensing and Retail. State experience. Give references, D. S. Anderson, Chemist, Leyland, Lincs.

J UNIOR wanted for Light Retail and Dispensing. References, Pickering, Chemist, Bishop Auckland.

J UNIOR Assistant wanted immediately; good Window-dresser; one used to Agricultural trade preferred; hours 8 till 7; half-holiday; no Sunday duty. Apply, stating experience and salary required, A. A. Rhodes, Brigg, Lincs.

J UNIOR Assistant wanted, with Dispensing and shop experience; man or woman. Apply, "X." (1 2), Office of this Paper.

J UNIOR unqualified Assistant wanted for West-End business; indoors; one just out of apprenticeship, used to good-class Dispensing; good salary; easy berth. 1/16, Office of this Paper.

L OCUM required for two or three weeks. 267/7, Office of this Paper.

M ANAGER (qualified) for Branch; over military age preferred; very easy, comfortable berth. Apply, with full particulars in first letter, to James, 19-21 Pitfield Street, N.

M ANAGER, qualified, for Branch in good working-class district in West London; comfortable permanency; weekly half-holiday; outdoors or could arrange accommodation on premises; must have good references. Apply, stating age, salary, when disengaged, etc., in first letter, 269/4, Office of this Paper.

M ESSRS. WILSON & KITCHIN, Whitehaven, require a Junior Assistant; if studying, ample opportunities will be given. Apply, Walker, Pharmaceutical Chemist, 27 King Street.

Q UALIFIED Assistant required; good Salesman, with satisfactory references. Apply, personally or by letter, Boutalls, Ltd., 150 Southampton Row, London.

Q UALIFIED Assistant wanted in Lancashire town near Manchester; quick and reliable Dispenser; no Sunday duty. Salary and full particulars, "Immediate" (268/21), Office of this Paper.

Q UALIFIED Assistant required for Country business in pleasant market town in North of England; Agricultural, Photographic, and Dispensing; one who is married and able to Extract preferred; permanency; good prospects for capable man. Apply, with full particulars, to "Yorks" (268/2), Office of this Paper.

Q UALIFIED Manager, Distainer, with Dental experience, to develop neglected Country business; permanency with good prospects; exceptional opportunity for reliable man; house attached, also garden. Apply, stating age, salary required, and references, to "Eastmed" (268/11), Office of this Paper.

QUALIFIED Manager for good-class Dispensing and Photographic business; outdoors. Apply to A. Goldthorpe, 70 Herbert Road, Plumstead.

QUALIFIED Chemist, either lady or gentleman, for middle-class business in fair locality; hours easy; permanency; must be quick, reliable, and capable of taking charge. Reply, stating salary required, to E. Tibbles, 181 Whitham Road, Sheffield.

QUALIFIED Manager required by Store Chemists for Branch business in small town near Birmingham. Applicants must give all particulars and state salary required, in first letter, 268/24, Office of this Paper.

QUALIFIED Manager or Senior for busy Branch; three kept; outdoors, very desirable locality, South; no Sunday duty; progressive to ambitious man. Apply, fullest particulars, salary, "Progress" (252/36), Office of this Paper.

RELIABLE qualified Chemist required for old-established, good-class Country business, and to assist with management; duties light; short hours; good Extractor preferred. Please send full particulars as to age, salary, references, etc., also photo if convenient. Knowles & Co., Belvedere, Kent.

SMART unqualified Assistant for East Lancashire town, with good Dispensing experience; permanency; no Sunday duty; reasonable hours and salary. State particulars and references, "Oxymel" (268/201), Office of this Paper.

UNQUALIFIED Assistant wanted, about 25; Counter and Dispensing, good class. State salary and experience, Vince, Pharmacist, Lancaster.

UNQUALIFIED Assistant wanted, with knowledge of Dispensing and Photography; good Counterman and Salesman essential. Apply, with fullest particulars, to Parke's Drug Stores, Ltd., 65 Harwood Street, N.W.

UNQUALIFIED Assistant with good all-round experience in Counter work, Dispensing, and Photographics required for quick London business; elderly man not objected to if active. Apply, stating full particulars of experience and salary required, etc., to 250/53, Office of this Paper.

UNQUALIFIED Assistant for Stock and Counter; two kept; suit man over military age or experienced lady. Usual particulars to "Manager," W. Edes Everett, Ltd., Colechester.

UNQUALIFIED Assistant; preference given to married man or one not eligible for military service; outdoors; no Sunday or night duty. Lewis & Burrows, 146 Holborn Bars, W.C.

WANTED, elderly registered Chemist; mainly for N.H.I. Dispensing; easy hours; permanent, comfortable position to suitable man, who must be sober, and have good references. Apply, stating salary required, to 266/28, Office of this Paper.

WANTED, in good-class Country business, young lady Assistant; short hours and light work. Walker, Chemist, Malpas.

WANTED, competent Assistant for Light Retail and Dispensing business; outdoors; easy hours; application from lady would be entertained. Geo. A. Harmer, Pharmacist, Eastbourne.

WANTED immediately, lady Assistant, more especially for Dispensing. Apply, with particulars regarding experience, references, and salary required (outdoors), to Horniblow & Son, Chemists, Worcester.

WANTED, a qualified and an unqualified Assistant for good Dispensing business. Apply, with full particulars as to experience, salary required, etc., A. Milne, Montpellier, Cheltenham.

WANTED, a good Junior for a high-class Retail and Dispensing business; easy hours, no Sunday duty. State particulars and references to W. Parry-Jones, Chemist, Barnet.

WANTED, smart qualified Manager (at once) for Branch business; must be a good Counterman, Window-dresser, and active; married; good references; nice house. Write, giving full particulars, Colc, 2 Commercial Road, Lowestoft.

WANTED, unqualified Assistant for Counter and Dispensing; good opportunity. Reply, giving full particulars and salary required, to W. Bates & Co., Ltd., 50 Oxford Street, Southampton.

WANTED, experienced Assistant for Chemist and Drug Department, male or female, age over 19. Apply at once, stating age, wages required, and enclosing copies of two testimonials, to Manager, Co-operative Society, Ltd., Long Eaton.

WANTED, Junior Assistant for Light Retail and Dispensing. Doble, The Pharmacy, Tavistock.

£117 PER ANNUM.—Outdoors; unqualified Assistant wanted; must be smart Salesman and businesslike, and have good references. Send full particulars, in first letter, to Frank Ullott, Chemist, 198 Rye Lane, Peckham, S.E.

WHOLESALE.

A SMART and up-to-date Representative required on commission, to call upon Dentists with a high-class Side-line; good opening for an energetic man. For particulars apply to 267/2, Office of this Paper.

CLERK (Senior), with experience of Export Druggists' invoicing; thorough knowledge of prices indispensable; progressive post for really capable man; fullest particulars and commencing salary looked for. Write, "S. W. E.," c/o Street's, 30 Cornhill, E.C.

COUNTER hands wanted in London house, with experience of either Wets or Drys; good prospects to snitable men. Apply, stating age and full particulars of experience, to 1/11, Office of this Paper.

DRUGGISTS' Sundries.—Assistant with knowledge of Sundries and Instruments required for Wholesale City warehouse. Apply to Sundries Department, Dakin Brothers, Ltd., 82 Middlesex Street, Bishopsgate, E.C.

DRY Counterman required by an old-established Drug house; comfortable permanency; also Cellarman used to putting up Oils and heavy Wets. State age, experience, and wages required, 267/30, Office of this Paper.

DRY Counterman wanted; comfortable permanency; mention age, experience, and all usual particulars. "B. U." (269/200), Office of this Paper.

EXPERIENCED Sugar-coater wanted at once. Reply, with full particulars and wages expected, to Castle Tablet Co., Ltd., 106 Barnsbury Road, London, N.

IMEDIATELY, gentleman with knowledge of Toilet and Manicure Sundries, and who is acquainted with the principals or buyers of all London Wholesale Sundry houses, Departmental Stores, and Exporters; salary and commission. Apply, stating full particulars of experience, salary required, etc., Henry C. Quelch & Co., 4 Ludgate Square, E.C.

INVOICE Clerks wanted (male or female) for London Wholesale house; must be experienced in Pricing, Casting, and Extending. "Nemines" (267/27), Office of this Paper.

MESSRS. ARMOUR & CO., LTD., have vacancies for several experienced Representatives. Give full details, in confidence, by letter, stating district at present worked, and salary required, to "D. A. N.," Laboratory Department, Armour & Co., Ltd., Atlantic House, Holborn Viaduct, E.C.

PHARMACEUTICAL Chemist required in Wholesale Department of large high-class firm of Chemists in the Provinces; would be required for Testing Drugs and Laboratory Preparations, and for Experimental work. Mention age, salary desired, and customary information, "S. J." (269/20), Office of this Paper.

REPRESENTATIVE required to introduce high-class Proprietary medicines to Chemists; good experience essential. Apply, stating age, salary, and full particulars, to 252/18, Office of this Paper.

REQUIRED, an Export Warehouseman for a London firm of Wholesale Druggists. Full particulars to 251/50, Office of this Paper.

SALESMAN, with first-class connection amongst London and suburban Chemists, Stores, and Perfumers, and thorough knowledge of Toilet and Manicure Sundries and Perfumery. Apply, with full particulars of experience, stating salary and commission required, to Henry C. Quelch & Co., 4 Ludgate Square, E.C.

SMART men required, with sound knowledge of Proprietaries and Sundries, for Checking and Receiving departments; permanent positions to snitable men. Apply immediately, 252/22, Office of this Paper.

STOCKKEEPER.—Wanted, on the Patent floor of a London Wholesale firm, a man of good experience. Apply, 271/20, Office of this Paper.

TABLET Maker wanted for provincial Wholesale house; accustomed to Sugar Coating. Apply, with full particulars of age, experience, wages required, to "Tabella" (248/9), Office of this Paper.

TRAVELLER required by Wholesale Druggists and Colour Merchants; good prospects to a man who can stand on his own feet. 266/32, Office of this Paper.

WANTED at once, a Bottle-washer accustomed to Wholesale Druggists' work. State wages, etc., to Gale & Co., Ltd., 15 Bouverie Street, Fleet Street, E.C.

WANTED at once, Checker for Wholesale Druggists' Sundries house. Write, stating age, past experience, and wages required, 271/40, Office of this Paper.

WET Floor.—Wanted, experienced Assistants. Apply to Willows, Francis, Butler & Thompson, Ltd., 40 Aldersgate Street, E.C.

YOUNG qualified Pharmacist required in Manufacturing Department of a well-known firm; excellent prospects for a suitable man; must be able to furnish unimpeachable references. Apply, by letter, giving fullest particulars (which will be treated with the strictest confidence), to "Pharmacist," c/o G. Street & Co., Ltd., 30 Cornhill, E.C.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; **6d.** for every 10 words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

BOMBAY.—Assistant required at once for an old-established English firm; salary first year Rupees 300 per mensem, second year Rs. 325, third year Rs. 350; second-class passage paid out. Apply, stating age and qualifications, to "X. H. A. G.," S. Maw, Son & Sons, 7-12 Aldersgate Street, E.C.

SITUATIONS WANTED.

1s. for 12 words or less; **6d.** for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.] RETAIL.

SATISFACTION AT ONCE.

An Assistant (266/30), writing on October 5, says:—

"You may be interested to know that on both occasions which I have used your Paper in advertising for a position in India that I have been successful each time with my first reply. I have also been very successful in obtaining other situations at home, almost at once, through the medium of your well-read Supplement."

ACCURATE, quick Dispenser, tactful Salesman; excellent references. Forster, 54 Romilly Road, Finsbury Park, N.

ADVERTISER, tall, well educated, good address, single, 20 years' first-class experience in the Retail, seeks good outdoor engagement. "Tactful" (268/20), Office of this Paper.

AS Dispenser to Doctor: qualified; experienced. Miss Daniel, 37 London Road, Redhill, Surrey.

ASSISTANT or Branch Manager, unqualified (44), married, requires permanency: Dispenser, Prescriber, Photography; good references. Nichols, The Square, Stow-on-the-Wold.

ASSISTANT; 23, unqualified; experienced; at liberty. Wilson, Birch View, Hebden Bridge, Yorks.

ASSISTANT; unqualified; 35; 18 years' experience; quick, accurate Dispenser, first-class Counterman, Photographic; smart appearance; abstainer; married; permanency; undeniable references; capable taking entire charge; London, West End, preferred; good salary; disengaged November 1. "Velox" (268/18), Office of this Paper.

ASSISTANT, unqualified, desires Part-time situation in London for about a month from October 22. "Experienced" (266/30), Office of this Paper.

ASSISTANT, tall, good appearance, seeks Dispensing experience; London only; small salary. 252/32, Office of this Paper.

BELGIAN, with special knowledge of Distillation, desires situation in Chemical works, Laboratory of Manufacturing Chemist, Wholesale Druggist, etc. Address, Charles Van den Daele, 46 Greek Street, W.

BELGIAN Pharmacist refugee desires situation in English Pharmacy, Wholesale house, or Chemical works; good references. Address, Rene Stevens, 30 Medora Road, Brixton, S.W.

BRANCH (small); registered; at liberty; good testimonials. 15 Sudbourne Road, Brixton, London, S.W.

BRANCH Manager or Senior; qualified; West-End and high-class Store experience; tactful Salesman. "Willing," 4 Golders Manor Drive, Golders Green, N.W.

BRANCH Manager or Senior; disengaged; single; 29; abstainer; excellent references. 270/1, Office of this Paper.

DISENGAGED; Assistant; married; 24; high-class Dispensing and Counter experience; in or near Bristol preferred, but not essential, Davies, 4 Wilton Gardens, Weston-super-Mare.

DISENGAGED, Assistant, Locum, Part-time, or permanent; thoroughly competent, reliable, experienced; first-class references. "J. D.," c/o F. A. Crisp, 2 Halliwick Parade, Muswell Hill, N.

DISENGAGED shortly; Locum, permanency; excellent references and experience. "Chemist," 18 Albany Road, Salisbury.

DISPENSER (lady), qualified, seeks morning work in London with Chemist or in a General Hospital; good references. 265/25, Office of this Paper.

DISPENSER (lady), qualified, experienced (Minor student), seeks Part-time work; Manchester locality. 264/39, Office of this Paper.

EVENINGS; student; 25; Harrogate; West-End experience. "Ineligible," 4 Ferndale Road, Clapham.

EXPERIENCED; unqualified; 28; married; as Manager or Senior; first-class references. 270/2, Office of this Paper.

FRENCH Assistant, unqualified (15 years' experience), requires situation; London or suburbs; outdoors; speaks some English; good references. Mr. Roth, 34 Westmead Road, Carshalton.

HOSPITAL or Pharmacy; 9 a.m. till 5 p.m.; 42. "Minor," 55 Elm Road, New Malden.

HOSPITAL Locum; qualified and experienced. "District Dispenser," 283 Tooley Street, S.E.

IMMEDIATE engagement.—Assistant, unqualified (21), excellent experience, undeniable references, requires situation in Manchester district. Full particulars *re* salary, hours, etc., to Rigby, Queen Street, Westthoughton, Bolton.

JUNIOR in good-class Dispensing business. "Spes," 75 Nevill Road, Stoke Newington.

JUNIOR (20), previous Retail, would take Institution; highest references; Leeds preferred; agreement if necessary. Send full particulars to 267/39, Office of this Paper.

LADY Dispenser (Hall certificate) desires post (daily) with Doctor or in small Hospital or Pharmacy. 267/1, Office of this Paper.

LADY Dispenser (Hall qualification) desires post with a Doctor or Hospital; age 50; has had a few months' experience last year; country preferred; would take temporary post as Assistant Dispenser with Chemist. Apply, 266/26, Office of this Paper.

LADY Dispenser, unqualified, desires post with Doctor; 7 years' experience, Bookkeeping, etc.; London district preferred. 266/34, Office of this Paper.

LADY Dispenser desires post in London with Doctor or Institution; good references. 262/14, Office of this Paper.

LADY Dispenser, Pharmaceutical Society Minor and Hall qualifications, desires post, not Retail, immediately; experience; good references. "T.," 18 Meddowcroft Road, Wallasey, Cheshire.

LADY, qualified, requires post as Secretary-Dispenser; thoroughly experienced in Institutional work, compiling Statistics, Records, etc., Typewriting, and Bookkeeping. Apply to 266/340, Office of this Paper.

LOCUM work undertaken. Hepworth, Horticultural Chemist, Loughborough.

LOCUM, permanent; disengaged 16th. Deri, 14 Cherville Street, Romsey, Hants.

LOCUM; disengaged; references given. J. H. Denny, The Lodge, Brundall, Norwich.

LOCUM or permanent; qualified; 25; references; wide experience; at liberty October 18. Lawrence, 1 Countess Street, Stockport.

LOCUM; qualified; disengaged October 16; excellent credentials. Apply, 269/60, Office of this Paper.

LOCUM or permanency; disengaged; qualified; 38; Dispensing experience. "Chemist," 54 Bell Street, N.W.

LOCUM tenens; disengaged October 5; middle-aged; experienced; well recommended, unqualified; moderate terms. Address, "Locum Tenens" (1/4), Office of this Paper.

M.P.S.; Unique Dispensing experience; disengaged. 266/40, Office of this Paper.

MANAGER; qualified; 42; first-class City and West-End experience; good references; London district. "A. S.," 28 Silver Crescent, Gunnersbury, W.

MANAGER; qualified; 15 years' experience; age 27; abstainer; live on premises; excellent references. Particulars, wages, etc., J. S. Chetnam, c/o 133 Spottland Road, Rochdale.

MANAGER (42), qualified, married, nine years present situation, desires change. Salary and particulars to "North" (268 16), Office of this Paper.

MANAGER or Senior; first-class Counterman and Dispenser; West-End experience; excellent references; salary required £4 weekly. "P. J." (267 34), Office of this Paper.

MANAGER; qualified; permanency; excellent credentials; town or country. Apply, 269 6, Office of this Paper.

MANAGER or Traveller; temporary or otherwise; qualified; competent; lengthy all-round experience; highly recommended. Address particulars, mentioning best remuneration, Wharton, 25 Hainton Avenue, Grimsby.

MANAGER or Assistant; unqualified; 32; single; all-round experience; permanency; town or country. Roberts, 11 Commercial Row, Pembroke Dock.

NEWCASTLE-ON-TYNE.—Qualified Part-time Dispensing. Rowbottom, 44 Honister Avenue, Newcastle.

PECKHAM District.—Chemist, experienced, seeks to utilise spare time daily at home; also disengaged two or three evenings weekly for Counter work. 269 13, Office of this Paper.

PHARMACIST (35), as Manager or any responsible position; best experience in West End and provinces; lately Manager 7 years' first-class business in famous spa; disengaged end of October. 268 40, Office of this Paper.

QUALIFIED 25, abstainer, experienced, desires Management. Liverpool or district preferred. 262 11, Office of this Paper.

QUALIFIED, with Optic experience, desires change; 33; married. "Manager" 264 31, Office of this Paper.

QUALIFIED Manager desires change; thoroughly conversant with all requirements of modern business; exceptional powers of organisation; energetic, and of proved abilities; many years' successful experience of above, fourteen of which with present employer; highest credentials. 266 24, Office of this Paper.

QUALIFIED seeks permanency in Liverpool district. Wallace, Secretary. Full particulars to 266 27, Office of this Paper.

QUALIFIED; 36. Locum, Manager; experienced London. Provincial. "Energetic" c/o Medical Pharmacy, Gwaun-Cae-Gurwen, Glam.

QUALIFIED 1913; good references; disengaged. Dental. "Manager," 5 Edward Street, Southborough, Kent.

QUALIFIED, young, tall, desires post; preferably South Wales; experienced lover; Senior Dispenser, or Manager; good references. W. L. Perkins, Kingsley Place, Senghenydd.

QUALIFIED; occasional Saturday evening and Sunday duty; West-End experience. 268 14, Office of this Paper.

QUALIFIED 33, tall, abstainer, married, as Branch Manager, or berth with view to succession or Partnership; best references. 268 13, Office of this Paper.

QUALIFIED; 38; Locum, temporary Manager; would accept permanent situation if near Liverpool; 22 years' West End and provincial experience; thorough Dispenser; disengaged. 268 22, Office of this Paper.

QUALIFIED; Manager, Locum, permanency; thoroughly good all-round experience; satisfactory references to date; disengaged after Tuesday next; outdoors. "Salol" (268 34), Office of this Paper.

QUALIFIED (25, 10 years' experience, including West End, knowledge of Photography, desires post in City or West End district; outdoors only. Stephens, 41 The Grove, Camberwell, London, S.E.

QUALIFIED; Manager or Senior; abstainer; excellent experience; London and seaside; permanency. "Kodak" (271/21), Office of this Paper.

QUALIFIED; elderly; Locum, permanency; London; disengaged 18th inst. 1 5, Office of this Paper.

SMART worker; quite acquainted with hard work; Dispensing, Counter, and Photographic; qualified. "J. D.," 5 Ferndale Road, Waterloo.

TWO or three evenings from 7 o'clock; unqualified; good experience. Counter and N.H.I. Busby, 10 Elmsdale Road, Walthamstow.

UNQUALIFIED Manager (D.B.O.A.) desires change or Partnership. Particulars 267 15, Office of this Paper.

UNQUALIFIED; 43; tall; single; Dispenser, Prescriber, Counter, etc.; at liberty shortly. Please state hours, salary, etc., "J. G.," 16 Thomas Street, Stretford, Manchester.

UNQUALIFIED; 46; few years' Hospital experience; good Prescriber; speaks English and French; knowledge Photography. "Chemist," Hollyhurst, Fort Road, Guernsey.

UNQUALIFIED, long experience, seeks re-engagement as Branch Manager or Senior Assistant; highest references; 16 years present berth. Address, "Sunnyville," Dronsfield Road, Fleetwood.

UNQUALIFIED; 27; experienced; Stock, Counter; married; references. Smith, 8 Vaughan Road, Camberwell.

UNQUALIFIED; out of trade some years; war engagement; low salary commence. "G." (268 1), Office of this Paper.

UNQUALIFIED; Manager or Assistant; 27; tall; married; all-round experience; excellent references. 267 37, Office of this Paper.

UNQUALIFIED, thoroughly competent, requiring change; quick and accurate Dispenser, Prescriber; Photography and Optics; age 50; active; please state hours and highest salary offered; all letters answered. "Veritas" (268/037), Office of this Paper.

UNQUALIFIED; Assistant or Drug-Store Manager; thoroughly reliable and experienced; permanency desired. H. Taylor, Norfolk House, West Street, Harwich.

WANTED, instruction for "Hall" examination near Purley; moderate terms. Jameson, "Lynton," Purley.

WESTCLIFF or Southend District.—Qualified Assistant seeks berth; 8 years' experience Counter and Dispensing; excellent references. E. A. Wiseman, 30 Burney Street, Greenwich, S.E.

YOUNG lady (27) seeks situation in Chemist's shop to learn Dispensing; Portsmouth district preferred. "L. P.," 52 Ranelagh Road, Ealing, W.

YOUNG lady, previous experience, desires post with Chemist; Liverpool district. 267 4, Office of this Paper.

YOUNG lady (21), been with Chemist twelve months, requires a similar situation. Apply, Miss Smith, 34 Kilravock Street, W.

WHOLESALE.

A BERTH required where ability, initiative, organisation, and control are wanted; Drugs or Sundries; full particulars given. Apply to 269 21, Office of this Paper.

A GOOD all-round man, with 23 years' sound Laboratory and Drug-rooms experience, desires change; well recommended; Northern Counties preferred. 268 5, Office of this Paper.

A DVERTISER (27), with good experience, Pharmaceutical, Manufacturing, and Chemical, desires responsible position; now controlling packing and finishing staff; enthusiastic, methodical, good supervisor. "Chemicus" (265 6), Office of this Paper.

A DVERTISER (38), thoroughly experienced in Laboratory work and Drugs, seeks good permanent berth; ineligible for Army service; recommended; Lancs or Yorks preferred. 268/50, Office of this Paper.

A DVERTISER is open for three days' work weekly in connection with making or distributing of Patent or Proprietary Medicines. "W." 70 Tollington Road, Holloway.

A DVERTISING man, experienced in Manufacturing and Wholesale Publicity work, desires change; excellent departmental experience; good knowledge of Surgical Rubber goods. Apply, 271 28, Office of this Paper.

FOREWOMAN desires engagement in a Wholesale house; years of experience in Labelling, Capsuling, etc.; good disciplinarian. 271 2, Office of this Paper.

INVOICE Clerk, Bookkeeper.—Experienced Invoice Clerk, good knowledge Bought and Sales ledgers, married, 27, seeks permanent change; Liverpool or London preferred. 265/17, Office of this Paper.

LABORATORY Assistant (19), with 4½ years' experience of Galenicals, desires change. 269/16, Office of this Paper.

MARRIED man desires responsible position; nearly 7 years head of Dry Room in Wholesale house; 8 years' first-class Retail Dispensing experience; teetotaler; first-class references. Apply, "Energetic" (266/35), Office of this Paper.

REQUIRED, by young lady, position as Forewoman, Wholesale Chemist, or Counter hand, Retail Chemist; £1 to 25s. week. "Advertiser," Lawn Bank, Margaret Road, New Barnet.

TRAVELLER, qualified Chemist, experienced, energetic, and successful, with excellent selling record and connection, requires engagement by good Drug or other house; intimate knowledge Drug and allied trades, and first-class references; disengaged. "Vivum" (1/6), Office of this Paper.

YOUNG Chemist (26), 10 years' first-class experience in Chemicals, Galenicals, and General Laboratory work, capable supervisor, seeks an engagement. 270/17, Office of this Paper.

SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies, or elsewhere abroad.

ADVERTISER, qualified Chemist and Refractionist, desires appointment in Colonies. 267/28, Office of this Paper.

WHOLESALE.—A gentleman of superior education and good appearance, who has lived and travelled to Calcutta, Bombay, and various other Indian towns for nearly 11 years, offers his services as a Traveller to Wholesale Druggists and allied trade; he is well conversant with Drugs, Druggists' Sundries, Surgical Appliances, etc., and has gained the experience of Drug trade in general in one of the leading London houses of Manufacturing Chemists and Druggists, where he has been employed for over 10 years; perfect master of English, French, Spanish, and Portuguese, he can influence business in 30 principal towns of India, and also in Spain, Portugal, Brazil, Canary Islands, Azores, Madeira, and Central and South American countries; he has a special scheme to canvass orders and is willing to travel to India or any of the above-mentioned countries on salary or share expenses and commission. Please write, "Cosmos," c/o Mr. J. Rogers, "Trelawney," Cecil Avenue, Wembley, W.

YOUNG Scotch Pharmacist desires Managership or other responsible position abroad, preferably Colonies; disengaged January. 244/1, Office of this Paper.

MISCELLANEOUS.

CHEMIST'S Fittings.—Second hand; large stock of high-class Drug Fittings, Piano Wall Cases, Dispensing Screens and Counters, Glass Counters, Counter Cases, Perfumery Cases and Desks, Counter Drawers; absolute bargains; cheapest house for Window Enclosures, Mirrors, Glass Shelves, Modern Shopfronts, Improvements, etc.; plans prepared; estimates free. Mills' Shopfront, Shopfitting, and Glass Facia Works, 163-165 Old Street, London, E.C. Phone, London Wall 550.

DOES any Manufacturer hindered through War require power and/or semi-skilled labour (male and female)? Advertiser can offer good supply of both on Works with railway siding, West of England. Address, "Enterprise," c/o Potter, Ltd., Koh-i-noor House, Kingsway, W.C.

SECOND-HAND SHOW-CASES AND SHOP-FITTINGS.—5-ft Piano Wall-case, £10 10s.; Perfume Case and Desk, Mirror back and Glass Shelves, 58s.; Marble-top Sponge-case, 75s.; 4-ft. Silent Salesman Case, 3 ft. high and 2 ft. wide, 2 Plate-glass Shelves, £7 10s.; 6-ft. Dispensing Screen and Counter, Mirror centre, £7 15s.; hundreds of other bargains. **PHILIP JOSEPHS & SONS, LTD.**, 93 Old Street, London, E.C.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, **RUDDUCK & CO.**, 262 Old Street, London, E.C.

BEST cash price paid for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. S. E. Hackett, 23 July Road, Liverpool, E.

WAR WANTS EXCHANGE.

For the terms upon which announcements are inserted herein see Supplement for September 25, p. liv.

WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE,

"The Chemist and Druggist," 42 Cannon Street, London, E.C.
 Bromural tablets (269/29) Phenacetin, crystalline
 Darning lanoline soap (269/7)
 (269/29) Pot. ferricyanide (264/40)
 Eugallol (269/29) Salol (267/33)
 Hydrokinone (267/33) Sodium sozoiodol (269/29)
 Metol (267/33 and 264/40)

FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Analgen (powder and tablets), 1 oz. (244/7)	Lycetol, 1 oz. (244/7)
Caustic-potash stick (264/40)	Orthoform, 1 oz. (244/7)
Chloramid, 1 oz. (244/7)	Phenacetin (264/40)
Citarin, 1 oz. (244/7)	Phenocoll, 1 oz. (244/7)
Dermatol, 1 oz. (244/7)	Phenosalyl, 2 oz. (244/7)
Diuretin, 3 oz. (244/7)	Piperazine, 4 oz. (244/7)
Exalgin, 1 oz. (244/7)	Pot. citrate (264/40)
Gude's pepto-mangan., 1s. 6d. doz. (244/7)	Salophen, 1 oz. (244/7)
Lactophenin, 4 oz. (244/7)	Thiocol, 4 oz. (244/7)
	Xeroform, 1 oz. (244/7)

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6d.

FOR DISPOSAL.

SHOP FITTINGS.

REPLICA of Pharmaceutical Society's arms, in silver and gold; suitable for pharmacy window; what offers? M. Kershaw, 19 York Road, Hitchin, Herts.

DRUGS AND CHEMICALS.

WHAT offers?—Santonin (slightly yellow), 4 1-oz.; atropine sulph., 4 1-drachms; salol, 4 oz. 252/23, Office of this Paper.
LICORAX.—Genuine imported licorice, in 2-oz. sticks; 7 4-lb. boxes for sale; 1s. per lb.; cash with order. Duck, Chemist, Cardiff.
 7 oz. phenacetin, 5 oz. caffeine cit., 1 oz. migraineine; cash, or exchange No. 1 folding pocket Kodak. 267/5, Office of this Paper.
 12 100 bottles palatinoids aspirin gr. v., 42s.; 12 tubes tahnoids acid. pyrogallie, gr. ii., 3s. 6d.; 6 1-oz. ergole, Oppenheimer, 6s.; all as new. Ives, 3 North Road, Highgate, N.

MISCELLANEOUS.

NO. 0 Mondolot machine, adapted for CO₂, with syphon filler. Cash offers, f.o.r., Brooks, Whitby.
 100 or less Durham-Duplex safety razors, 2s. 6d., at 1s. each; overstocked. 265/3, Office of this Paper.
SMALL assortment of hyoscyamus and belladonna seed from this year's plants; 3d. per packet each. Turuer, Pharmacist, Willingham, Cambs.

WANTED.

LIQUORICE wanted, broken or block. 46 Cumberland Road, Aeton, London.
MAGNESIUM metal wanted in any form. Wilson, General Dispensary, Monument Road, Birmingham.
GRAY'S "Anatomy," second-hand, wanted. 1901, 1905, or 1909 edition. Price to "K.", 170 Clerkenwell Road, E.C.
OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, London, S.W.
 12-oz. wickered Cologne bottles and 4-oz. and 6-oz. Mexican bottles or flats wanted. Write, giving quantities and prices, to "Quero" (249/38), Office of this Paper.

German News.

LINT—The War Department has reported that the stocks of surgical dressings are sufficient for present (middle of September) purposes.

PROFESSOR DR. OESTERLE, of Strasburg (a son-in-law of Flückiger), has been made an honorary member of the Swiss Pharmaceutical Society.

GEH. RAT. DR. ADOLF VON BAEYER, F.R.S., F.C.S. (hon. causa), has retired from the directorship of the Bavaria Chemical Laboratory, a position previously occupied by Liebig.

POTASH-WORKS FAILURE.—A Central News telegram reports that the failure is announced of the Kali Salt-works at Jessenitz, Mecklenburg. The company was founded in 1888 with a capital of 500,000.

SCARCITY OF CORK.—In consequence of the intervention of Italy in the war the prices of cork in Germany have advanced by 20 per cent. for the cheaper sorts and 10 per cent. for the better sorts.

CHOLERA IN GERMANY.—During six weeks up to the end of August 807 cases of cholera were reported in Germany, of which 171 were fatal. Eighty-five per cent. of the cases occurred among prisoners of war.

PARCHMENT PAPER.—Makers have been obliged to advance their prices considerably, owing to cotton-waste and sulphuric acid having been commandeered by the military authorities, and it is expected that the manufacture will cease shortly. Makers who are still working quote m.130 to m.140 per 100 kilos.

PROHIBITION OF DEALING IN CACAO-HUSKS.—According to a decree of the Imperial Chancellor of August 19 it is forbidden to deal in powdered cacao-husks in Germany or in products which partly consist of powdered cacao-husks. It is not only prohibited to sell these products or to offer them for sale in Germany itself, but also to import them into Germany from foreign countries.

FAT AND RUBBER.—Dr. Scheermesser has been experimenting on fresh plants of *Euphorbia Cyparissias*, in order to see how much rubber and fat he could get from them, and he calculates that millions of tons of fat and thousands of kilos. of rubber can be obtained annually from plants growing wild in Germany, and the yield can be increased considerably by cultivating the plant on fallow land. The complete paper was communicated to the "Pharm. Ztg."

JUTE is not at present obtainable in Germany and experiments are being carried out with other fibrous plants in order to find a substitute for it. The "Verband deutscher Jute-Industrieller" states that experiments made with *Epilobium* species in the Government Botanical Institute at Hamburg have not yet led to a satisfactory result. The collection of *Epilobium* as well as other fibrous plants, such as hops, wild hemp, stinging-nettles, etc., is, however, recommended.

SCARCITY OF STRING.—In several large Berlin shops string is no longer used in doing up small parcels. String is very scarce in Germany, as hemp and flax are imported materials. The importation of hemp amounted in 1914 to 41,276 tons, of which 14,988 came from Italy, 2,664 from Austria-Hungary, 22,871 from Russia, and small quantities from Australasia. Moreover, the following quantities of hemp-thread were imported into Germany: 1,262 tons from France, 1,066 from Great Britain, 604 from Italy, and 9,097 from British India.

THE HOFFMANN-LA ROCHE CO.—One of the partners of this company having been charged with having French sympathies, the German authorities have taken the matter up. From reports in German medical papers it appears that the Imperial Chancellor has sent a circular letter to the medical authorities in the Federal States, in which fourteen medicaments are mentioned as products of the Hoffmann-La Roche Co. which can be easily substituted by products of German origin. Among the products thus mentioned are airoil, digalen, eryspticum, secacornin, sirolin, and pantopon.

THE THIRD GERMAN WAR LOAN.—In order to facilitate the subscriptions of their employes to the third National War Loan, Merz & Co., chemical-manufacturers, Frankfurt a/M., propose to lend to all employes who wish to subscribe the amount they desire to contribute, the money to be paid back in small amounts as wages are paid. In order to make the proposal more attractive, the firm has promised to present to each employe who subscribes to the loan under the scheme one-tenth part of the amount of his subscription after the entire sum lent has been repaid. The scheme has proved a great success. Among the subscribers to the loan were the following: Friedr. Bayer & Co., Leverkusen, 8,000,000m.; Leopold Cassella & Co., Frankfurt a/M., 8,000,000m., and one of its partners, Dr. Leo Gans, 1,500,000m.

French News.

(From the "C. & D." Paris Correspondent.)

FAULTY POCKET-FILTERS.—Samples of some of the pocket-filters and drinking-water sterilising powders advertised and offered for sale as suitable for sending to soldiers at the Front have been examined by the Parisian police authorities, and found inefficient, in certain cases even dangerous. The drugs and apparatus have been seized and the dealers summoned as the Anti-Adulteration Act provides.

ALCOHOL SUPPLIES.—The attention of the French Government having been drawn to the present difficulty of obtaining alcohol for compounding medicines, consequent upon the requisition of the product by the military authorities for the manufacture of explosives, notice has been given that pharmacists deprived of this necessary article should address themselves to the Office of Pharmaceuticals and Chemicals at the Paris School of Pharmacy. Application should be filed there between the first and tenth of each month, stating the quantity actually required for pharmaceutical purposes. The Office will issue dockets for quantities not exceeding three hectolitres per month. These dockets can be presented either at the distillery thereon specified, which will furnish at the commandeering price of 100f. (4l.) per hectolitre of pure alcohol (100°), or to the firm from which the pharmacist habitually draws his supplies.

Netherlands Notes.

(From the "C. & D." Correspondent.)

"**Kromoblanda**" is the title of a book of 187 pages, which Mr. H. F. Tillema, Counsellor for Dutch chemical and pharmaceutical industry, has written on residence in the Dutch East Indies. It deals largely with hygienic questions.

The New British Pharmacopœia.—Lengthy articles have been published in the "Pharmaceutische Weekblad," Mr. J. J. Hofman dealing with galenical preparations, and Professor Dr. H. Wefers Bettink with chemicals and vegetable drugs.

A Colonial Agricultural Museum was opened in Deventer recently, which contains splendid representations of the economic products of the Dutch East Indies, including drugs and spices. It is expected to do good service for the Colonial Agricultural School in Deventer.

More Dyes Wanted.—The Chamber of Commerce and Manufacturers at Enschede on September 21 decided to support the request of the Dutch factory of dyes and chemicals in Delft to the Government and the Overzee Trust Maatschappij, asking for help in getting more dyes and raw materials imported. Germany appears to have agreed with Dutch manufacturers to allow the exportation of from 50 to 75 per cent. of the quantity of coal-tar dyes required in Holland, but nothing has arrived for three months.

Colonial Institute.—The report for 1914 shows that progress has been made with the removal of the Institute to Amsterdam from Haarlem. It includes interesting historical papers, one of them dealing with the work of C. G. C. Reinwardt, who was Professor of Botany in Harderwijk, and in 1815 was charged with the organisation of instruction, medical service, agriculture, industry, and scientific researches in the Dutch East Indies, and founded the botanical garden at Buitenzorg, which has been the centre of scientific botanical researches in Java since 1817. About him and his successors the author gives much precise information.—Louis D. Vreugde (Haarlem) has designed a medal for the Institute. It represents the collaboration of science and practice. A vigorous European shows the way to a native. The rays of the rising sun form a background to the figures, and round the whole is the legend, "Het licht overal" (The light is everywhere), from the second verse of a mediæval song, the first verse of which furnishes the motto of the Colonial Museum in Haarlem—namely, "Het daghet in het Oosten" (It dawns in the East). The reverse of the medal is a wreath of Indian products, among them tea, cocoa, cloves, cinchona, nutmegs, and pepper, with the words "Koloniaal Instituut" engraved in the centre.

American Notes.

Borax.—The production of borax in 1914 is the subject of a pamphlet issued by the United States Geological Survey. The output of crude borate materials was 62,400 short tons, against 58,051 short tons in 1914, the values being respectively \$1,464,000 and \$1,491,500. The production continues to be derived entirely from Californian colemanite ores, and from three mines only. During 1914 the Pacific Coast Borax Co. completed a calcining plant at Death Valley Junction to roast the ores of low grade before shipping them to New Jersey to be refined. The world's production of borax may be stated in general terms as 100,000 metric tons of crude materials, the U.S.A. and Chile leading.

N.A.R.D.—The seventeenth annual Convention of the National Association of Retail Druggists was held in Minneapolis, Minn., from August 30 to September 3. The report of the President (Mr. Samuel C. Henry) gave a review of some of the more important events relating to drug affairs. The topics dealt with included the Harrison narcotic law, the many forms of liability insurance required of druggists by the law of the various States, patent-law reform, the Stevens Bill, the classification of retail druggists as retail liquor-dealers, the American Fair-trade League, etc. Reports were submitted from the Secretary which showed that the Association is in a good financial condition and that about seven hundred new members were obtained during the year. Various Committees submitted their reports, which showed that the year had been a very active one for the members.

Exports of Medicines Doubled.—The "American Druggist" publishes a statement issued by the Department of Commerce at Washington, which shows that during the first eleven months of the European War American exports of medicines and surgical instruments had increased by \$15,858,000 above the exports for the corresponding period of the previous year. The manufacture of patent and proprietary medicines, surgical instruments, and other appliances represented in 1909 a capital outlay of over \$100,000,000, with an aggregate product of \$165,000,000. To-day the figures are considerably larger, and while less than 10 per cent. of the yearly output is exported, the latest reports show greatly increased sales abroad and rare opportunities for the building-up of a large export trade. During the year ended June 30, 1914, medical supplies to the extent of \$19,916,000 were exported from the United States. The eleven months ended June 1, 1915, show that the total exportation amounted to \$35,774,000. The largest item in the list of medical exports was drugs and disinfectants, which increased from \$9,020,000 in 1914 to \$22,500,000 in the eleven months of war. Surgical appliances increased from \$1,289,000 to \$4,500,000, and patent medicines increased from \$6,722,000 to \$7,200,000, while the exportation of dental goods declined from \$2,679,000 in 1914 to \$1,274,000 in 1915.

Aniline Dyes Wanted.—Dr. Thomas F. Norton, dyestuffs expert of the Department of Commerce, has issued a statement on the prospect of getting dyes from Switzerland for American use. Fully aware of the latent possibilities in the coke industry to supply coal-tar crude products in enormous quantities, and also of the great consumption of foreign-made dyes in the United States, the Swiss colour firms now seek to secure an ample supply of raw materials and to pay for them in finished dyes. The Swiss manufacturers are in the market for 500 metric tons of aniline oil and for the following quantities of pure coal-tar hydrocarbons: Benzol, 100 tons; toluol, 100 tons; naphthalene, 200 tons. Any of these can be accepted in 10-ton lots and will be paid for by an equivalent amount of finished dyes. The report then recounts the steps taken by Great Britain to supply crude material to Switzerland in return for dyes, and adds that the demand for benzol and toluol to serve in the manufacture of high explosives has now assumed such proportions in Great Britain that it is no longer possible to ship in large quantities these crude materials, or the aniline made from them, to the Swiss works. In these circumstances the managers of the Swiss works look to an American source of coal-tar materials as the only hope of supply, otherwise they must close their factories. Dr. Norton recommends the Swiss proposition for the consideration of dye users in the United States. He recounts also how the Russian dye-factories are meeting the difficulty of the cessation of dye-imports from Germany by erecting large aniline-dye factories.

CHINESE WOOD OIL.—The exports from Ichang during 1914 amounted to 22,449 piculs, against 14,528 piculs in 1913 and 6,639 piculs in 1912.

Associations' Winter Session.

The Conference of Local Associations, called by the Pharmaceutical Society, is to be held in the Holborn Restaurant, London, W.C., on Wednesday, October 20, when the business will include the following:

- (1) The consideration of the Report of the Departmental Committee on the Drug Tariff.
- (2) The consideration of the propaganda of the London Association, viz.:
 - (a) The abolition of the discounting clause in the Insurance dispensing contract and the establishment of definite dates for payments of accounts.
 - (b) The abolition in all pharmacies of the practice of opening stamped boxes of proprietary pills and retailing them in small quantities.
 - (c) A minimum profit of 25 per cent. on the selling-price of all patent medicines, perfumes, and toilet-soaps.
 - (d) A minimum profit of 20 per cent. on the selling-price of all infant-foods.
 - (e) The absolute refusal to stock or sell any proprietary article advertised to the public by means of a prescription or of which the retail price is unstated.
- (3) The election of the new Executive Committee.

In the subjoined reports we refer to the Conference as L.A.C., and, where possible, to the above subjects by number or letter.

Cheshire.—Mr. J. W. Deakin presided at the annual meeting of the Pharmacists' Association at Crewe on September 29. It was decided by a majority to advise chemists in the area not to accept the emergency settlement for 1914. Congratulatory messages were directed to be sent to Messrs. Gilmour and Woolcock and to Dr. Tocher for their splendid services on the Departmental Committee on the Drug Tariff. It was resolved that chemists in the area should not entertain the use of the formula "Rep. mist." in 1916. The delegates to the L.A.C. (Messrs. Deakin and Wilde) were instructed to support (2) on the agenda. The following officers were re-elected for the ensuing year: *President*, Mr. J. W. Deakin; *Vice-President*, Mr. G. F. Wilde; *Secretary and Treasurer*, Mr. F. W. Scanlon.

Cornwall.—The Cornish Pharmacists' Association met at Truro on September 28. Mr. A. C. Gee (Redruth) presiding in the unavoidable absence of the President (Mr. A. F. H. Stephens, Camborne). Officers for the ensuing year were elected as follows: *President*, Mr. S. C. E. Mitchell (St. Austell); *Vice-President*, Mr. J. B. Martin (Helston); and *Secretary and Treasurer*, Mr. W. T. Hall (Truro). The accounts for the year were submitted by the Treasurer and passed. After discussion it was decided not to lower the annual subscription, in view of the organisation that may be necessary in the near future. The delegates to the L.A.C. (Messrs. Roberts and Hall) were instructed, regarding (1) on the agenda, to vote against acceptance of the establishment fee of 0.8d., the meeting expressing the opinion that the Tariff should show a profit of at least 10 per cent. on appliances and a gross profit of 25 per cent. on dispensing.

Dewsbury.—A meeting of the Dewsbury and District Pharmacists' Association was held on October 4. Mr. S. N. Pickard (President) presiding over an attendance of nine members. In opening a discussion on the *Outlook of Pharmacy*, the President referred to the difficulties which had been created by the war. Speaking of the new Insurance Tariff, he said he had no doubt that it would undergo many and considerable changes before it comes into force. He hoped many suggestions would be made at the L.A.C. which would be acted upon by the Executive. Regarding the sale of patent medicines and proprietary articles, he emphasised the need for greater unity among pharmacists. The outlook at present is not very bright, but if the war should come to a speedy end they could look forward to better times. Messrs. Day and Broadhead took part in the discussion which followed, and it was ultimately agreed to send a communication to the P.A.T.A., asking them to consider the advisability of sending delegates to interview the proprietors of the multiple shops and other big drug vendors with a view to concerted action being taken in regard to refusing to stock unprofitable patent medicines.

Huddersfield.—At a meeting of the Chemists' Association on Tuesday evening, October 5, Mr. Vincent Shaw was elected *President*; Messrs. Russell, Pickering, Wood, and Broadbent, *Vice-Presidents*; and Messrs. Walshaw and Cooper, *Joint Secretaries*. It was reported that thirty-one chemists had joined the V.T.C. Mr. R. C. Walshaw strongly condemned the doubled medicine-duty.

Lanarkshire.—The annual meeting of the County Pharmacists' Association was held in Glasgow on September 29, when the following appointments were made: *President*, Mr. J. A. Walls (Bothwell); *Vice-President*, Mr. Balfour Reekie (Hamilton); *Treasurer*, Mr. J. Loboar (Hamilton); *Secretary*, Mr. W. Spence Culbert (Airdrie); *Committee*, Messrs. Hinksman (Carluke), Ferguson (Motherwell), Hendry (Blantyre), Robertson (Coatbridge), Bruce (Larkhall), Wilson (Uddingston), and Rennie (Wishaw). The retiring Secretary (Mr. Reekie) reported upon the year's work, and the Treasurer's report showed a balance of 5*l.* 15*s.* 7*d.* The proposed new Drug Tariff was discussed, and the terms were unanimously rejected. It was agreed that the suggestion to abolish the Scottish Commission should be vigorously opposed.

Leeds.—Mr. G. W. Overend presided over a full meeting of the local Chemists' Association at the Hôtel de Ville on Wednesday evening, October 6. Mr. W. L. Currie and Mr. J. P. Gilmour (members of the Pharmaceutical Council) were present. The President introduced Mr. Gilmour, who gave an inaugural sessional address, in the course of which he dealt with the *Report of the Departmental Committee on the Drug Tariff*. He alluded to the difference in prescribing customs between England and Scotland. Before the Insurance Act practically every chemist in Scotland had a dispensing connection. He then spoke of some of the details of the Report, particularly in regard to the cost of Insurance prescriptions, the figures submitted being those given in the *C. & D.*, September 18, p. 46. He called attention especially to the effect of the minimum halfpenny upon discounting, and mentioned that the doctors who laid evidence before the Committee gave many cases in which for dispensing a thousand prescriptions one chemist got twice as much as the other for doing the same amount of work. That condition still obtains in ordinary business. It depends to some extent upon the environment of the chemist; but here they were dealing with a Government Department. They said it was not equitable that one chemist should get twice as much profit as another; therefore the first thing to be done was to eliminate this source of extreme variability, and it was proposed to do that by asking chemists to supply all drugs at cost-price. The doctors said to them: "If you do this, you cease to be mere traders; we put you on a professional footing, and you are paid for the service you render rather than for the goods you supply." Ostensibly they were going to pay the chemists as professional men. In theory that was quite admirable. Mr. Woolcock felt that was so, but really it did not much matter what form the remuneration took so long as it was adequate. The establishment charges were then referred to, Mr. Gilmour expressing regret that chemists were not a little more public-spirited, otherwise more of them would have allowed their books to be examined by Messrs. Peat, and a better basis for these charges might have been obtained. [At this point our reporter's notes break off, the later portion having been delayed in the post.]

London (N.).—Owing to a date not being mentioned in the communication to us, we assumed that the first meeting of the North London Pharmacists' Association was held on Thursday, September 30, whereas it was Thursday of this week.

Plymouth.—A joint meeting of the Association of Pharmacists and panel chemists was held on September 30. The items on the agenda of the L.A.C. were discussed, and regarding 2 (b) it was resolved that where stamped packages are opened for sale a definite addition of 25 per cent. on the minimum selling-price of the smallest stamped package should be made. It was also suggested that the Revenue authorities are the proper persons to make it illegal to break packages, and to see that all shops doing so under existing conditions hold licences (there is evidence that some do not). With regard to 2 (c) and (d), it was recommended that pressure should be applied to bring the articles under the P.A.T.A., which should press for 20 per cent. and 25 per cent. Regarding 2 (c), it was felt by the majority that it is undesirable to be associated with this system. The emergency settlement for 1914 was discussed, and it was stated that the majority of panel chemists in the area intend to accept it under protest. As to the *ex-gratia* payments, it was felt that the need for the money and the moral right to it alone overcame the desire to refuse. The meeting reaffirmed the Pharmaceutical Committee's resolution of June 10 as to the necessity for united action in bringing pressure to bear on the Government to meet the increased cost of drugs in 1915. Considerable discussion took place on the proposed Drug Tariff, particularly the establishment allowance, and it was left to the L.A.C. delegate (Mr. R. F. Roper) to act for the meeting.

Southend-on-Sea.—A meeting of the Southend-on-Sea Pharmacists' Association was held at 167 The Broadway

on September 27, the President (Mr. S. F. Body) presiding over a good attendance. The question of earlier closing was discussed, but it was felt that a rota would prove unworkable, and that it would be necessary to fall back on the Shops Act. Mr. S. F. Body was elected delegate to the L.A.C. to be held in London on October 20, and it was decided, regarding 1) on the agenda, to forward a resolution to the conference to the effect that Southend-on-Sea pharmacists approve of the Departmental Committee's scheme for placing the Tariff on a commercial basis, with certain modifications, provided that the prices are based on the price-list of a recognised wholesale house, and that the fee for establishment charges is not less than 2*d.* per prescription. It was resolved to meet during the winter session only when necessary, or when a paper is available. It was decided that special forms should be printed to facilitate the keeping of chemists' Insurance accounts on the lines suggested by the Pharmaceutical Committee. These charts will be supplied to chemists at 1*d.* each. It was decided that cards should be printed suitable for display in the pharmacy or in the window, indicating the increased rates of medicine stamp-duty, and offered to chemists at 2*d.* each.

Warwickshire.—The Secretary of the Warwickshire Pharmaceutical Association issues to members printed reports of the meetings held by the Association. The latest covers a meeting held at Leamington on September 28. The L.A.C. subjects were considered. The establishment allowance proposed in (1) was declared inadequate; there should be a reasonable profit on appliances; and if cost-price for drugs only is allowed, the Tariff should be revised monthly, and reasonable opportunity should be given for scrutiny and checking of pricing by Pharmaceutical Committees. General agreement with (2) was expressed, except (b), as the custom is so universal now. A discussion also took place on the increased medicine stamp-duty.

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Monday, October 11.

Dublin Retail Drug Association. Annual meeting at 67 Lower Mount Street, Dublin, at 8 p.m.

Wednesday, October 13.

Manchester Pharmaceutical Association. Monthly meeting at the Manchester Chess Club Room. Discussion on "Trade Topics," introduced by Messrs. A. Hershberg and G. A. Mallinson.

Newcastle-upon-Tyne and District Pharmacists' Association. Annual meeting in Church Institute, Hood Street (off Grey Street), at 8 p.m.

Western Pharmacists' Association. Restaurant Frascati, Oxford Street, W. Discussion on the Insurance Act and the Departmental Committee Report, to be opened by Mr. W. J. U. Woolcock, 9 p.m.

Thursday, October 14.

Chemists' Assistants' Association. Opening meeting of the session at 17 Bloomsbury Square, London, W.C., at 8.30 p.m. Address by the President (Mr. W. Roberts).

West Ham, East Ham, and Metropolitan Essex District Association of Pharmacists. Meeting, together with members on the West Ham panel list, at Earlham Hall, Forest Gate, at 2.30 p.m. Discussions on (1) new Tariff, (2) new duties on proprietaries, and delegates to receive instructions for the Conference. The meeting for October 21 is cancelled.

Friday, October 15.

Pharmaceutical Standing Committee (Scotland). Meeting at 36 York Place, Edinburgh, at 11 a.m. General Council of Panel Chemists meet at 2 p.m.

Tuesday, October 19.

West Bromwich Pharmaceutical Association. At Mr. Rex Allen's, 53 High Street, West Bromwich, in the evening.

ASSOCIATION OF WOMEN PHARMACISTS.—Opening meeting on Wednesday, October 20, at Dr. Williams's Library, Gordon Square, at 7.30 p.m. Paper, "The Story of Thinking," by Miss H. A. Martin.

PHARMACIST VOLUNTEER TRAINING CORPS will have practical field sanitation at Dulwich on Wednesday and Thursday, October 14 and 14. Full particulars will be found in standing orders on parade.

GLASGOW AND WEST OF SCOTLAND CHEMISTS' ASSOCIATION.—The formal opening of the Association's new rooms at 165 Hill Street, Charing Cross, will take place on Tuesday, October 19, at 7 p.m., with an "At Home." Tickets, 1*s.* each, may be had from town travellers and from Mr. G. S. Kitchen, 116 Nithsdale Road, and Mr. Wm. Seiwright, 22 Nithsdale Road.



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